

BIPOLAR POWER TRANSISTORS

EPI BASE — METAL

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PL034	2N3772	GDL	PHX	GDL	TO-204	9706	EB-NPN	120	50	0
PL066	2N5882	GDL	PHX	GDL	TO-204	9708	EB-NPN	120	50	0
PL458	MJ15015	GDL	PHX	GDL	TO-204	9707	EB-NPN	120	50	0
PL030	MJ3000	GDL	PHX	GDL	TO-204	9711	EB-NPN	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	EB-NPN	44	2800	4.10E+05	0	1.15E+09	3.81E+07	55	90	0.78	2.00	23.69	60.49
1993	EB-NPN	25	1250	1.69E+05	2	4.74E+08	1.57E+07	55	90	6.46	11.23	195.04	339.35
1994	EB-NPN	47	2350	2.82E+05	7	7.91E+08	2.62E+07	55	90	10.50	14.89	317.09	449.77
1995	EB-NPN	23	1150	1.38E+05	0	3.87E+08	1.28E+07	55	90	2.33	5.95	70.43	179.79
1996	EB-NPN	16	800	9.60E+04	0	2.69E+08	8.91E+06	55	90	3.35	8.55	101.24	258.45
P197	EB-NPN	4	200	2.40E+04	0	6.73E+07	2.23E+06	55	90	13.40	34.22	404.98	1033.80

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PL457	2N3792	GDL	PHX	GDL	TO-204	9702	EB-PNP	120	50	0
PL009	2N6054	GDL	PHX	GDL	TO-204	9712	EB-PNP	120	50	0
PL463	MJ11021	GDL	PHX	GDL	TO-204	9706	EB-PNP	120	50	0
PL463	MJ11021	GDL	PHX	GDL	TO-204	9707	EB-PNP	120	50	0
PL1849	MJ14001	GDL	PHX	GDL	TO-204	9702	EB-PNP	120	50	0
PL1849	MJ14003	GDL	PHX	GDL	TO-204	9712	EB-PNP	120	50	0
PL001	MJ2955	GDL	PHX	GDL	TO-204	9708	EB-PNP	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	EB-PNP	19	950	1.62E+05	2	4.53E+08	1.50E+07	55	90	6.75	11.75	203.97	354.89
1993	EB-PNP	9	450	7.30E+04	0	2.05E+08	6.77E+06	55	90	4.41	11.25	133.14	339.88
1994	EB-PNP	39	1950	2.34E+05	6	6.56E+08	2.17E+07	55	90	11.06	16.05	334.24	484.99
1995	EB-PNP	20	1000	1.20E+05	0	3.36E+08	1.11E+07	55	90	2.68	6.84	81.00	206.76
1996	EB-PNP	17	1130	1.02E+05	0	2.86E+08	9.47E+06	55	90	3.15	8.05	95.29	243.25
P197	EB-PNP	7	350	4.20E+04	0	1.18E+08	3.90E+06	55	90	7.66	19.55	231.41	590.74

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	EB-NPN	2	100	6.70E+03	0	2.08E+07	4.97E+05	60	100	43.35	110.66	1813.58	4629.63

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	EB-PNP	15	750	5.03E+04	3	1.56E+08	3.73E+06	60	100	26.38	42.81	1103.83	1791.01

EPI COLLECTOR — METAL

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS			
PL1124	2N6678	GDL	PHX	GDL	TO-204	9712	EC-NPN	120	50	0			
SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1994	EC-NPN	13	650	7.80E+04	4	2.19E+08	7.24E+06	55	90	23.64	36.55	714.15	1104.28
1995	EC-NPN	7	350	4.20E+04	4	1.18E+08	3.90E+06	55	90	43.90	67.88	1326.27	2050.80
1996	EC-NPN	2	100	1.20E+04	1	3.36E+07	1.11E+06	55	90	59.13	115.61	1786.47	3492.77
P197	EC-NPN	1	50	6.00E+03	0	1.68E+07	5.57E+05	55	90	53.62	136.87	1619.90	4135.21

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	EC-NPN	1	50	3.35E+03	0	1.04E+07	2.49E+05	60	100	86.70	221.32	3627.16	9259.25

PLANAR — METAL

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	PLR-NPN	7	350	6.82E+04	0	1.91E+08	6.33E+06	55	90	4.72	12.04	142.51	363.80
1993	PLR-NPN	9	450	7.30E+04	2	2.05E+08	6.77E+06	55	90	14.95	26.00	451.53	785.62
1994	PLR-NPN	9	450	5.40E+04	2	1.51E+08	5.01E+06	55	90	20.20	35.15	610.41	1062.04
1995	PLR-NPN	6	300	3.60E+04	0	1.01E+08	3.34E+06	55	90	8.94	22.81	269.98	689.20
1996	PLR-NPN	3	1620	8.10E+04	0	2.27E+08	7.52E+06	55	90	3.97	10.14	119.99	306.31

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE		WAF SITE	TEST SITE	PACKAGE	DATE CODE		TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS	
PL429	SJ71180	GDL		PHX	GDL	TO-2O4	9711		PLR-PNP	120	50	0	
PL429	SJ71180	GDL		PHX	GDL	TO-2O4	9712		PLR-PNP	120	50	0	
SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	PLR-PNP	4	200	2.40E+04	2	6.73E+07	2.23E+06	55	90	45.46	79.09	1373.41	2389.59
1993	PLR-PNP	8	400	6.70E+04	0	1.88E+08	6.22E+06	55	90	4.80	12.26	145.07	370.32
1994	PLR-PNP	3	150	1.80E+04	0	5.05E+07	1.67E+06	55	90	17.87	45.62	539.97	1378.40
1995	PLR-PNP	2	100	1.20E+04	1	3.36E+07	1.11E+06	55	90	59.13	115.61	1786.47	3492.77
1996	PLR-PNP	2	100	1.20E+04	0	3.36E+07	1.11E+06	55	90	26.81	68.44	809.95	2067.61
P197	PLR-PNP	2	100	1.20E+04	0	3.36E+07	1.11E+06	55	90	26.81	68.44	809.95	2067.61

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	PLR-PNP	2	100	6.70E+03	0	2.08E+07	4.97E+05	60	100	43.35	110.66	1813.58	4629.63

POWER BASE — METAL

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PL1194	2N6678	GDL	PHX	GDL	TO-204	9709	PB-NPN	120	50	0
PL432	SJ84140	GDL	PHX	GDL	TO-204	9702	PB-NPN	120	50	0
PL432	SJ84140	GDL	PHX	GDL	TO-204	9707	PB-NPN	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	PB-NPN	9	450	7.30E+04	0	2.05E+08	6.77E+06	55	90	4.41	11.25	133.14	339.88
1993	PB-NPN	1	50	6.00E+03	0	1.68E+07	5.57E+05	55	90	53.62	136.87	1619.90	4135.21
1994	PB-NPN	4	200	2.40E+04	0	6.73E+07	2.23E+06	55	90	13.40	34.22	404.98	1033.80
1995	PB-NPN	5	250	3.00E+04	0	8.41E+07	2.78E+06	55	90	10.72	27.37	323.98	827.04
1996	PB-NPN	9	520	5.40E+04	0	1.51E+08	5.01E+06	55	90	5.96	15.21	179.99	459.47
P197	PB-NPN	3	150	1.80E+04	0	5.05E+07	1.67E+06	55	90	17.87	45.62	539.97	1378.40

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PL1193	MJ15023	GDL	PHX	GDL	TO-204	9706	PB-PNP	120	50	0
PL1193	MJ15023	GDL	PHX	GDL	TO-204	9711	PB-PNP	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1994	PB-PNP	1	50	6.00E+03	0	1.68E+07	5.57E+05	55	90	53.62	136.87	1619.90	4135.21
1995	PB-PNP	1	50	6.00E+03	0	1.68E+07	5.57E+05	55	90	53.62	136.87	1619.90	4135.21
1996	PB-PNP	7	1890	1.05E+05	0	2.94E+08	9.74E+06	55	90	3.06	7.82	92.57	236.30
P197	PB-PNP	2	100	1.20E+04	0	3.36E+07	1.11E+06	55	90	26.81	68.44	809.95	2067.61

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	PB-NPN	1	50	3.35E+03	0	1.04E+07	2.49E+05	60	100	86.70	221.32	3627.16	9259.25

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	PB-PNP	2	100	6.70E+03	0	2.08E+07	4.97E+05	60	100	43.35	110.66	1813.58	4629.63

TRIPLE DIFFUSED — METAL

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1996	TD-NPN	3	1620	8.10E+04	0	2.27E+08	7.52E+06	55	90	3.97	10.14	119.99	306.31

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	TD-NPN	1	50	3.35E+03	0	1.04E+07	2.49E+05	60	100	86.70	221.32	3627.16	9259.25

EPI BASE — PLASTIC

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 80\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	EB-NPN	7	350	4.20E+04	0	1.18E+08	3.90E+06	55	90	7.66	19.55	231.41	590.74
1996	EB-NPN	4	200	2.40E+04	0	6.73E+07	2.23E+06	55	90	13.40	34.22	404.98	1033.80

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 80\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	EB-PNP	5	250	3.00E+04	0	8.41E+07	2.78E+06	55	90	10.72	27.37	323.98	827.04
1996	EB-PNP	10	500	6.00E+04	0	1.68E+08	5.57E+06	55	90	5.36	13.69	161.99	413.52

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLE052	2N4922	SBN	PHX	SBN	TO-225	9707	EB-NPN	96	50	0
PLE008	BD679	SBN	PHX	SBN	TO-225	9706	EB-NPN	96	50	0
PLE008P	BD679A	SBN	PHX	SBN	TO-225	9702	EB-NPN	96	50	0
PLE008	BD681	SBN	PHX	SBN	TO-225	9649	EB-NPN	96	50	0
PLE008	BD681	SBN	PHX	SBN	TO-225	9705	EB-NPN	96	50	0
PLE008P	BD681	SBN	PHX	SBN	TO-225	9712	EB-NPN	96	50	0
PLC3008	MJD122T4	SBN	PHX	SBN	TO-252	9651	EB-NPN	96	50	0
PLC3020	MJD41CT4	SBN	PHX	SBN	TO-252	9705	EB-NPN	96	50	0
PLC3020	MJD41CT4	SBN	PHX	SBN	TO-252	9707	EB-NPN	96	50	0
PLE008	MJE802	SBN	PHX	SBN	TO-225	9707	EB-NPN	96	50	0
PLB4552	MJF31C	SBN	PHX	SBN	TO-220ISO	9649	EB-NPN	96	50	0
PLB4552	MJF31C	SBN	PHX	SBN	TO-220ISO	9704	EB-NPN	96	50	0
PLB4552	SJF2003	SBN	PHX	SBN	TO-220ISO	9652	EB-NPN	96	50	0
PLB4588	SJF2009	SBN	PHX	SBN	TO-220ISO	9711	EB-NPN	96	50	0
PLA508	TIP122	GDL	TLS	GDL	TO-220	9702	EB-NPN	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	EB-NPN	43	2005	2.78E+05	0	7.80E+08	2.58E+07	55	90	1.16	2.95	34.93	89.17
1993	EB-NPN	83	4650	5.05E+05	0	1.42E+09	4.69E+07	55	90	0.64	1.63	19.24	49.11
1994	EB-NPN	130	6360	6.63E+05	0	1.86E+09	6.15E+07	55	90	0.49	1.24	14.66	37.43
1995	EB-NPN	78	3820	1.09E+06	2	3.06E+09	1.01E+08	55	90	1.00	1.74	30.16	52.48
1996	EB-NPN	102	7130	6.83E+05	0	1.91E+09	6.33E+07	55	90	0.47	1.20	14.24	36.35
P197	EB-NPN	15	750	7.32E+04	0	2.05E+08	6.79E+06	55	90	4.39	11.22	132.78	338.95

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLE007P	2N6036	SBN	PHX	SBN	TO-225	9711	EB-PNP	96	50	0
PLE045P	BD440	SBN	PHX	SBN	TO-225	9708	EB-PNP	96	50	0
PLC3007	MJD117T4	SBN	PHX	SBN	TO-252	9713	EB-PNP	96	50	0
PLC3037	MJD32	PSI	TLS	PSI	TO 251	9648	EB-PNP	120	50	0
PLC3037	MJD32	PSI	TLS	PSI	TO 251	9652	EB-PNP	120	50	0
PLC3037	MJD32	PSI	PHX	PSI	TO-251	9716	EB-PNP	120	50	0
PLC3037	MJD32	PSI	PHX	PSI	TO-251	9719	EB-PNP	120	50	0
PLC3037	MJD32C	PSI	TLS	PSI	TO 251	9650	EB-PNP	120	50	0
PLC3021	MJD42CT4	SBN	PHX	SBN	TO-252	9650	EB-PNP	96	50	0
PLC3021	SJD1008LF	SBN	PHX	SBN	TO-252	9701	EB-PNP	96	50	0
PLA511	SJE5802	GDL	TLS	GDL	TO-220	9712	EB-PNP	120	50	0
PLB4569	SJF2008LFRB	SBN	PHX	SBN	TO-220ISO	9702	EB-PNP	96	50	0
PLA545	TIP127	GDL	TLS	GDL	TO-220	9706	EB-PNP	120	50	1
PLA545	TIP127	PSI	TLS	PSI	TO-220	9714	EB-PNP	120	50	0
PLA5235	TIP32A	GDL	TLS	GDL	TO-220	9702	EB-PNP	120	50	0

HIGH TEMPERATURE REVERSE BIAS (continued)

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	EB-PNP	12	580	7.10E+04	10	1.99E+08	6.59E+06	55	90	57.26	77.35	1729.84	2336.89
1993	EB-PNP	84	4200	4.60E+05	0	1.29E+09	4.27E+07	55	90	0.70	1.78	21.11	53.89
1994	EB-PNP	65	3110	4.21E+05	2	1.18E+09	3.91E+07	55	90	2.59	4.51	78.32	136.26
1995	EB-PNP	41	1990	5.34E+05	0	1.50E+09	4.96E+07	55	90	0.60	1.54	18.19	46.44
1996	EB-PNP	70	5600	5.66E+05	1	1.59E+09	5.25E+07	55	90	1.25	2.45	37.89	74.08
P197	EB-PNP	15	750	8.28E+04	1	2.32E+08	7.68E+06	55	90	8.57	16.76	258.91	506.20

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	EB-NPN	2	100	6.70E+03	0	2.08E+07	4.97E+05	60	100	43.35	110.66	1813.58	4629.63

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	EB-PNP	4	200	1.34E+04	0	4.16E+07	9.95E+05	60	100	21.67	55.33	906.79	2314.81

EPI COLLECTOR — PLASTIC**HIGH TEMPERATURE REVERSE BIAS**

TEMPERATURE: +150°C

STRESS: $V_{CB} = 80\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1994	EC-NPN	1	30	5.04E+03	0	1.41E+07	4.68E+05	55	90	63.83	162.95	1928.45	4922.87
1995	EC-NPN	3	150	1.80E+04	0	5.05E+07	1.67E+06	55	90	17.87	45.62	539.97	1378.40
1996	EC-NPN	5	250	3.00E+04	0	8.41E+07	2.78E+06	55	90	10.72	27.37	323.98	827.04

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1994	EC-NPN	3	110	1.61E+04	0	4.51E+07	1.49E+06	55	90	20.01	51.07	604.44	1542.99
1995	EC-NPN	2	60	1.01E+04	0	2.83E+07	9.35E+05	55	90	31.92	81.47	964.23	2461.44
1996	EC-NPN	17	1130	9.96E+04	0	2.79E+08	9.24E+06	55	90	3.23	8.25	97.58	249.11

PLANAR — PLASTIC**HIGH TEMPERATURE REVERSE BIAS**

TEMPERATURE: +150°C

STRESS: $V_{CB} = 80\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	PLR-NPN	7	350	4.20E+04	0	1.18E+08	3.90E+06	55	90	7.66	19.55	231.41	590.74
1996	PLR-NPN	17	850	1.02E+05	0	2.86E+08	9.47E+06	55	90	3.15	8.05	95.29	243.25

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 80\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	PLR-PNP	7	350	4.20E+04	0	1.18E+08	3.90E+06	55	90	7.66	19.55	231.41	590.74

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3442	BUD43B	SBN	PHX	SBN	TO-252	9706	PLR-NPN	96	50	0
PLC3442	BUD43B	SBN	PHX	SBN	TO-252	9708	PLR-NPN	96	50	0
PLC3442	BUD43B-1	SBN	PHX	SBN	TO-252	9703	PLR-NPN	96	50	0
PLC3442	BUD43B-1	SBN	PHX	SBN	TO-252	9709	PLR-NPN	96	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9715	PLR-NPN	120	50	0
PLA5434	MJE13005	PSI	JPN	PSI	TO-220	9716	PLR-NPN	120	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9717	PLR-NPN	120	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	1000	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	96	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	96	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9712	PLR-NPN	96	50	0
PLB5424	MJF18008	SBN	PHX	SBN	TO-220ISO	9713	PLR-NPN	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	PLR-NPN	26	980	3.39E+05	0	9.51E+08	3.15E+07	55	90	0.95	2.42	28.66	73.16
1993	PLR-NPN	22	1180	1.31E+05	0	3.67E+08	1.22E+07	55	90	2.46	6.27	74.17	189.34
1994	PLR-NPN	44	1985	3.23E+05	0	9.05E+08	2.99E+07	55	90	1.00	2.54	30.12	76.89
1995	PLR-NPN	34	1400	3.78E+05	0	1.06E+09	3.51E+07	55	90	0.85	2.17	25.68	65.56
1996	PLR-NPN	42	3218	3.06E+05	1	8.59E+08	2.84E+07	55	90	2.32	4.53	69.99	136.84
P197	PLR-NPN	12	600	1.06E+05	0	2.98E+08	9.87E+06	55	90	3.02	7.72	91.35	233.19

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3073	MJD5731T4	SBN	PHX	SBN	TO-252	9710	PLR-PNP	96	50	0
PLB4523	MJF45H11	SBN	PHX	SBN	TO-220ISO	9650	PLR-PNP	96	50	0
PLB4523	SJF2010LFRK	SBN	PHX	SBN	TO-220ISO	9703	PLR-PNP	96	50	0
PLB4533	SJF2010LFRK	SBN	PHX	SBN	TO-220ISO	9709	PLR-PNP	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	PLR-PNP	4	200	4.18E+04	0	1.17E+08	3.88E+06	55	90	7.70	19.65	232.52	593.57
1993	PLR-PNP	5	250	2.52E+04	0	7.07E+07	2.34E+06	55	90	12.77	32.59	385.69	984.57
1994	PLR-PNP	8	380	3.98E+04	0	1.12E+08	3.70E+06	55	90	8.08	20.61	243.96	622.77
1995	PLR-PNP	15	750	1.29E+05	0	3.62E+08	1.20E+07	55	90	2.49	6.36	75.23	192.04
1996	PLR-PNP	26	1580	2.32E+05	0	6.50E+08	2.15E+07	55	90	1.39	3.54	41.89	106.95
P197	PLR-PNP	4	200	1.92E+04	0	5.38E+07	1.78E+06	55	90	16.76	42.77	506.22	1292.25

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	PLR-NPN	3	150	1.01E+04	0	3.12E+07	7.46E+05	60	100	28.90	73.77	1209.05	3086.42

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	PLR-PNP	2	100	6.70E+03	0	2.08E+07	4.97E+05	60	100	43.35	110.66	1813.58	4629.63

POWER BASE — PLASTIC

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

LINE	DEVICE		MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE		TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS	
PLR1994	MJL3281A		SUB	PHX	SUB	TO-264	9648		PB-NPN	1000	50	0	
PLR1994	MJL3281A		SUB	PHX	SUB	TO-264	9648		PB-NPN	1000	50	0	
PLR1994	MJL3281A		SUB	PHX	SUB	TO-264	9648		PB-NPN	1000	50	0	
PLR1994	MJL3281A		SUB	PHX	SUB	TO-264	9648		PB-NPN	1000	50	0	
SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1994	PB-NPN	10	500	2.36E+05	0	6.62E+08	2.19E+07	55	90	1.36	3.48	41.18	105.13
1995	PB-NPN	1	50	6.00E+03	0	1.68E+07	5.57E+05	55	90	53.62	136.87	1619.90	4135.21
1996	PB-NPN	5	600	3.00E+04	0	8.41E+07	2.78E+06	55	90	10.72	27.37	323.98	827.04
P197	PB-NPN	4	200	2.00E+05	0	5.61E+08	1.86E+07	55	90	1.61	4.11	48.60	124.06

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 80\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1996	PB-PNP	10	500	4.12E+05	0	1.16E+09	3.82E+07	55	90	0.78	1.99	23.59	60.22

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS			
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9631	PB-PNP	1000	50	0			
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9639	PB-PNP	1000	50	0			
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9639	PB-PNP	1000	50	0			
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	1000	50	0			
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	1000	50	0			
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	1000	50	0			
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	1000	50	0			
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	1000	50	0			
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	1000	50	0			
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	1000	50	0			
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	1000	50	0			
SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1994	PB-PNP	1	50	6.00E+03	0	1.68E+07	5.57E+05	55	90	53.62	136.87	1619.90	4135.21
1995	PB-PNP	4	200	6.80E+04	0	1.91E+08	6.31E+06	55	90	4.73	12.08	142.93	364.87
1996	PB-PNP	9	450	1.42E+05	0	3.98E+08	1.32E+07	55	90	2.27	5.78	68.45	174.73
P197	PB-PNP	11	550	5.50E+05	0	1.54E+09	5.10E+07	55	90	0.58	1.49	17.67	45.11

TRIPLE DIFFUSED — METAL

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{CB} = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1996	TD-NPN	1	50	6.00E+03	0	1.68E+07	5.57E+05	55	90	53.62	136.87	1619.9	4135.21

TO-204 (TO-3) — METAL

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-204	47	2350	3.46E+05	1	0.04%
1993	TO-204	48	2400	3.64E+05	0	0.00%
1994	TO-204	108	5345	8.49E+05	5	0.09%
1995	TO-204	67	3265	8.90E+05	1	0.03%
1996	TO-204	109	14200	9.69E+05	1	0.01%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +175°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	TO-204	32	1586	4.20E+05	3	0.19%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 100%, t_{on} = t_{off} = 1 MINUTE

MIL-STD-750, Method 1037

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-204	14	513	9.18E+05	0	0.00%
1993	TO-204	32	1152	1.44E+06	1	0.09%
1994	TO-204	36	1353	1.85E+06	23	1.70%
1995	TO-204	39	1376	1.27E+06	4	0.29%
1996	TO-204	6	216	2.16E+05	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C w/Delta of 125°C

STRESS: P_D = 100%, t_{on} = t_{off} = 1 MINUTE

MIL-STD-750, Method 1037

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	TO-204	4	144	3.81E+04	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-204	71	790	N/A	0	0.00%
1993	TO-204	47	470	N/A	0	0.00%
1994	TO-204	113	1130	N/A	0	0.00%
1995	TO-204	117	1170	N/A	0	0.00%
1996	TO-204	86	716	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-204	68	3400	4.05E+05	16	0.47%
1993	TO-204	40	2000	2.00E+05	2	0.10%
1994	TO-204	113	5650	7.80E+05	6	0.11%
1995	TO-204	119	5950	1.48E+06	6	0.10%
1996	TO-204	80	4980	3.98E+05	5	0.10%

TO-218 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-218	14	480	7.63E+04	0	0.00%
1993	TO-218	2	180	1.73E+04	0	0.00%
1994	TO-218	5	150	1.73E+04	0	0.00%
1995	TO-218	8	360	5.62E+04	0	0.00%

HIGHLY ACCELERATED STRESS TESTING

TEMPERATURE: +135°C

STRESS: rh = 85%, V_{CES} = 80%

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1994	TO-218	5	150	1.73E+04	0	0.00%
1995	TO-218	2	90	8.64E+03	2	2.22%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-218	11	345	7.50E+04	0	0.00%
1993	TO-218	2	120	9.30E+04	0	0.00%
1994	TO-218	5	150	4.20E+04	0	0.00%
1995	TO-218	8	360	1.58E+05	0	0.00%

TO-220 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9649	PLR-NPN	48	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9650	PLR-NPN	48	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9652	PLR-NPN	48	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9715	PLR-NPN	48	50	0
PLA5434	MJE13005	PSI	JPN	PSI	TO-220	9716	PLR-NPN	48	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9717	PLR-NPN	48	50	0
PLA511	SJE5802	GDL	TLS	GDL	TO-220	9712	EB-PNP	48	50	0
PLA545	TIP 127	PSI	TLS	PSI	TO-220	9648	EB-PNP	48	50	0
PLA508	TIP122	GDL	TLS	GDL	TO-220	9702	EB-NPN	48	50	0
PLA545	TIP127	GDL	TLS	GDL	TO-220	9706	EB-PNP	48	50	1
PLA545	TIP127	PSI	TLS	PSI	TO-220	9714	EB-PNP	48	50	0
PLA552	TIP31C	PSI	TLS	PSI	TO-220	9651	EB-NPN	48	50	0
PLA5235	TIP32A	GDL	TLS	GDL	TO-220	9702	EB-PNP	48	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	67	3130	2.16E+05	15	0.48%
1993	TO-220	42	2033	1.06E+05	3	0.15%
1994	TO-220	90	4014	3.06E+05	18	0.45%
1995	TO-220	132	6335	5.53E+05	85	1.34%
1996	TO-220	98	4766	2.33E+05	1	0.02%
P197	TO-220	13	650	3.12E+04	1	0.15%

HIGHLY ACCELERATED STRESS TESTING

TEMPERATURE: +135°C

STRESS: rh = 85%, V_{CES} = 80%

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1994	TO-220	21	630	1.17E+05	4	0.63%
1995	TO-220	8	270	4.32E+04	1	0.37%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9649	PLR-NPN	120	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9650	PLR-NPN	120	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9652	PLR-NPN	120	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9715	PLR-NPN	120	50	0
PLA5434	MJE13005	PSI	JPN	PSI	TO-220	9716	PLR-NPN	120	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9717	PLR-NPN	120	50	0
PLA511	SJE5802	GDL	TLS	GDL	TO-220	9712	EB-PNP	120	50	0
PLA545	TIP 127	PSI	TLS	PSI	TO-220	9648	EB-PNP	120	50	0
PLA508	TIP122	GDL	TLS	GDL	TO-220	9702	EB-NPN	120	50	0
PLA545	TIP127	GDL	TLS	GDL	TO-220	9706	EB-PNP	120	50	1
PLA545	TIP127	PSI	TLS	PSI	TO-220	9714	EB-PNP	120	50	0
PLA552	TIP31C	PSI	TLS	PSI	TO-220	9651	EB-NPN	120	50	0
PLA5235	TIP32A	GDL	TLS	GDL	TO-220	9702	EB-PNP	120	39	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	48	2397	3.82E+05	5	0.21%
1993	TO-220	34	1713	2.50E+05	0	0.00%
1994	TO-220	71	3550	5.06E+05	0	0.00%
1995	TO-220	100	4880	1.74E+06	2	0.04%
1996	TO-220	95	7970	6.96E+05	2	0.03%
P197	TO-220	13	639	7.67E+04	1	0.16%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +175°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	TO-220	14	700	5.03E+04	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 3.0 WATTS, DELTA TC = 90°C

MIL-STD-750, Method 1037

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9649	PLR-NPN	1000	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9650	PLR-NPN	1000	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9652	PLR-NPN	1000	50	0
PLA545	TIP 127	PSI	TLS	PSI	TO-220	9648	EB-PNP	1000	50	0
PLA552	TIP31C	PSI	TLS	PSI	TO-220	9651	EB-NPN	1000	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	12	600	8.00E+05	5	0.83%
1993	TO-220	13	650	6.50E+05	0	0.00%
1994	TO-220	29	1410	2.55E+06	0	0.00%
1995	TO-220	59	2720	1.40E+07	0	0.00%
1996	TO-220	42	17300	2.10E+06	0	0.00%
P197	TO-220	5	250	2.50E+05	0	0.00%

LEAD STRESS

TEMPERATURE: +25°C

STRESS: 2 - 5 seconds @ 90° BENDS

MIL-STD-750, Method 2036

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9649	PLR-NPN	3	15	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9650	PLR-NPN	3	15	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9652	PLR-NPN	3	15	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9716	PLR-NPN	3	15	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9717	PLR-NPN	3	15	0
PLA545	TIP 127	PSI	TLS	PSI	TO-220	9648	EB-PNP	3	15	0
PLA508	TIP122	PSI	TLS	PSI	TO-220	9714	EB-NPN	3	15	0
PLA508	TIP122	PSI	TLS	PSI	TO-220	9715	EB-NPN	3	15	0
PLA552	TIP31C	PSI	TLS	PSI	TO-220	9651	EB-NPN	3	15	0

LEAD STRESS (continued)

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	19	95	N/A	0	0.00%
1993	TO-220	16	80	N/A	0	0.00%
1994	TO-220	27	785	N/A	0	0.00%
1995	TO-220	29	435	N/A	0	0.00%
1996	TO-220	46	545	N/A	0	0.00%
P197	TO-220	9	135	N/A	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9649	PLR-NPN	8	22	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9650	PLR-NPN	8	22	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9652	PLR-NPN	8	22	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9714	PLR-NPN	8	22	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9716	PLR-NPN	8	22	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9717	PLR-NPN	8	22	0
PLA511	SJE5802	GDL	TLS	GDL	TO-220	9712	EB-PNP	4	10	0
PLA545	TIP 127	PSI	TLS	PSI	TO-220	9648	EB-PNP	8	22	0
PLA508	TIP122	GDL	TLS	GDL	TO-220	9702	EB-NPN	4	10	0
PLA508	TIP122	PSI	TLS	PSI	TO-220	9715	EB-NPN	8	22	0
PLA545	TIP127	GDL	TLS	GDL	TO-220	9706	EB-PNP	4	10	0
PLA552	TIP31C	PSI	TLS	PSI	TO-220	9651	EB-NPN	8	22	0
PLA5235	TIP32A	GDL	TLS	GDL	TO-220	9702	EB-PNP	4	10	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	43	510	N/A	0	0.00%
1993	TO-220	40	440	N/A	0	0.00%
1994	TO-220	70	1144	N/A	0	0.00%
1995	TO-220	82	1268	N/A	0	0.00%
1996	TO-220	79	1220	N/A	0	0.00%
P197	TO-220	13	238	N/A	0	0.00%

SOLDER HEAT

TEMPERATURE: +260°C

STRESS: 10 SECOND DIP

MIL-STD-750, Method 2031

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9649	PLR-NPN	1	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9650	PLR-NPN	1	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9652	PLR-NPN	1	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9715	PLR-NPN	1	50	0
PLA5434	MJE13005	PSI	JPN	PSI	TO-220	9716	PLR-NPN	1	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9717	PLR-NPN	1	50	0
PLA545	TIP 127	PSI	TLS	PSI	TO-220	9648	EB-PNP	1	50	0
PLA545	TIP127	PSI	TLS	PSI	TO-220	9714	EB-PNP	1	50	0
PLA552	TIP31C	PSI	TLS	PSI	TO-220	9651	EB-NPN	1	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1994	TO-220	16	800	N/A	0	0.00%
1995	TO-220	28	1400	N/A	0	0.00%
1996	TO-220	50	1716	N/A	0	0.00%
P197	TO-220	9	450	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9649	PLR-NPN	100	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9650	PLR-NPN	100	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9652	PLR-NPN	100	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9715	PLR-NPN	100	50	0
PLA5434	MJE13005	PSI	JPN	PSI	TO-220	9716	PLR-NPN	100	50	0
PLA5434	MJE13005	PSI	TLS	PSI	TO-220	9717	PLR-NPN	100	50	0

TEMPERATURE CYCLING (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLA511	SJE5802	GDL	TLS	GDL	TO-220	9712	EB-PNP	100	50	0
PLA545	TIP 127	PSI	TLS	PSI	TO-220	9648	EB-PNP	100	50	0
PLA508	TIP122	GDL	TLS	GDL	TO-220	9702	EB-NPN	100	50	0
PLA545	TIP127	GDL	TLS	GDL	TO-220	9706	EB-PNP	100	50	3
PLA545	TIP127	PSI	TLS	PSI	TO-220	9714	EB-PNP	100	50	0
PLA552	TIP31C	PSI	TLS	PSI	TO-220	9651	EB-NPN	100	50	0
PLA5235	TIP32A	GDL	TLS	GDL	TO-220	9702	EB-PNP	100	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			
1992	TO-220	61	2870	4.19E+05		5	0.17%			
1993	TO-220	39	1883	2.33E+05		0	0.00%			
1994	TO-220	96	4315	8.06E+05		2	0.05%			
1995	TO-220	135	6476	2.47E+06		4	0.06%			
1996	TO-220	96	7550	5.45E+05		0	0.00%			
P197	TO-220	13	650	6.50E+04		3	0.46%			

TO-220 (ISOLATED) — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	96	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	96	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9712	PLR-NPN	96	50	0
PLB5424	MJF18008	SBN	PHX	SBN	TO-220ISO	9713	PLR-NPN	96	50	0
PLB4552	MJF31C	SBN	PHX	SBN	TO-220ISO	9649	EB-NPN	96	50	0
PLB4552	MJF31C	SBN	PHX	SBN	TO-220ISO	9704	EB-NPN	96	50	0
PLB4523	MJF45H11	SBN	PHX	SBN	TO-220ISO	9650	PLR-PNP	96	50	0
PLB4552	SJF2003	SBN	PHX	SBN	TO-220ISO	9652	EB-NPN	96	50	0
PLB4569	SJF2008LFRB	SBN	PHX	SBN	TO-220ISO	9702	EB-PNP	96	50	0
PLB4588	SJF2009	SBN	PHX	SBN	TO-220ISO	9711	EB-NPN	96	50	0
PLB4523	SJF2010LFRK	SBN	PHX	SBN	TO-220ISO	9703	PLR-PNP	96	50	0
PLB4533	SJF2010LFRK	SBN	PHX	SBN	TO-220ISO	9709	PLR-PNP	96	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			
1992	TO-220ISO	25	1145	1.18E+05		8	0.70%			
1993	TO-220ISO	64	3200	3.07E+05		0	0.00%			
1994	TO-220ISO	48	2400	2.30E+05		0	0.00%			
1995	TO-220ISO	9	450	4.32E+04		0	0.00%			
1996	TO-220ISO	45	2250	2.16E+05		0	0.00%			
P197	TO-220ISO	12	600	5.76E+04		0	0.00%			

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	168	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	168	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	1000	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9712	PLR-NPN	168	50	0
PLB5424	MJF18008	SBN	PHX	SBN	TO-220ISO	9713	PLR-NPN	168	50	0
PLB4552	MJF31C	SBN	PHX	SBN	TO-220ISO	9649	EB-NPN	168	50	0
PLB4552	MJF31C	SBN	PHX	SBN	TO-220ISO	9704	EB-NPN	168	50	0
PLB4523	MJF45H11	SBN	PHX	SBN	TO-220ISO	9650	PLR-PNP	168	50	0
PLB4552	SJF2003	SBN	PHX	SBN	TO-220ISO	9652	EB-NPN	168	50	0
PLB4569	SJF2008LFRB	SBN	PHX	SBN	TO-220ISO	9702	EB-PNP	168	50	0
PLB4588	SJF2009	SBN	PHX	SBN	TO-220ISO	9711	EB-NPN	168	50	0
PLB4523	SJF2010LFRK	SBN	PHX	SBN	TO-220ISO	9703	PLR-PNP	168	50	0
PLB4533	SJF2010LFRK	SBN	PHX	SBN	TO-220ISO	9709	PLR-PNP	168	50	0

HIGH TEMPERATURE STORAGE LIFE (continued)

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	24	1095	1.84E+05	0	0.00%
1993	TO-220ISO	64	3200	5.79E+05	0	0.00%
1994	TO-220ISO	43	2150	4.03E+05	0	0.00%
1995	TO-220ISO	9	450	7.56E+04	0	0.00%
1996	TO-220ISO	46	2300	4.28E+05	0	0.00%
P197	TO-220ISO	13	650	1.51E+05	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 3.0 WATTS, DELTA TC = 90°C

MIL-STD-750, Method 1037

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	1000	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	1000	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	10000	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9712	PLR-NPN	1000	50	0
PLB5424	MJF18008	SBN	PHX	SBN	TO-220ISO	9713	PLR-NPN	1000	50	0
PLB4552	MJF31C	SBN	PHX	SBN	TO-220ISO	9649	EB-NPN	1000	50	0
PLB4552	MJF31C	SBN	PHX	SBN	TO-220ISO	9704	EB-NPN	1000	50	0
PLB4523	MJF45H11	SBN	PHX	SBN	TO-220ISO	9650	PLR-PNP	1000	50	0
PLB4552	SJF2003	SBN	PHX	SBN	TO-220ISO	9652	EB-NPN	1000	50	0
PLB4569	SJF2008LFRB	SBN	PHX	SBN	TO-220ISO	9702	EB-PNP	1000	50	0
PLB4588	SJF2009	SBN	PHX	SBN	TO-220ISO	9711	EB-NPN	1000	50	0
PLB4523	SJF2010LFRK	SBN	PHX	SBN	TO-220ISO	9703	PLR-PNP	1000	50	0
PLB4533	SJF2010LFRK	SBN	PHX	SBN	TO-220ISO	9709	PLR-PNP	1000	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	3	140	1.34E+04	0	0.00%
1993	TO-220ISO	52	2572	7.42E+05	0	0.00%
1994	TO-220ISO	28	1400	1.34E+05	0	0.00%
1995	TO-220ISO	5	250	2.40E+04	0	0.00%
1996	TO-220ISO	20	1000	5.91E+05	0	0.00%
P197	TO-220ISO	13	650	1.10E+06	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	8	22	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	8	22	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9712	PLR-NPN	8	22	0
PLB5424	MJF18008	SBN	PHX	SBN	TO-220ISO	9713	PLR-NPN	8	22	0
PLB4552	MJF31C	SBN	PHX	SBN	TO-220ISO	9649	EB-NPN	8	22	0
PLB4552	MJF31C	SBN	PHX	SBN	TO-220ISO	9704	EB-NPN	8	22	0
PLB4523	MJF45H11	SBN	PHX	SBN	TO-220ISO	9650	PLR-PNP	8	22	0
PLB4552	SJF2003	SBN	PHX	SBN	TO-220ISO	9652	EB-NPN	8	22	0
PLB4569	SJF2008LFRB	SBN	PHX	SBN	TO-220ISO	9702	EB-PNP	8	22	0
PLB4588	SJF2009	SBN	PHX	SBN	TO-220ISO	9711	EB-NPN	8	22	0
PLB4523	SJF2010LFRK	SBN	PHX	SBN	TO-220ISO	9703	PLR-PNP	8	22	0
PLB4533	SJF2010LFRK	SBN	PHX	SBN	TO-220ISO	9709	PLR-PNP	8	22	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	14	308	N/A	0	0.00%
1993	TO-220ISO	53	1166	N/A	0	0.00%
1994	TO-220ISO	42	924	N/A	0	0.00%
1995	TO-220ISO	9	198	N/A	0	0.00%
1996	TO-220ISO	45	990	N/A	0	0.00%
P197	TO-220ISO	12	264	N/A	0	0.00%

SOLDER HEAT

TEMPERATURE: +260°C

STRESS: 10 SECOND DIP

MIL-STD-750, Method 2031

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	1	22	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	1	22	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9712	PLR-NPN	1	22	0
PLB5424	MJF18008	SBN	PHX	SBN	TO-220ISO	9713	PLR-NPN	1	22	0
PLB4552	MJF31C	SBN	PHX	SBN	TO-220ISO	9649	EB-NPN	1	22	0
PLB4552	MJF31C	SBN	PHX	SBN	TO-220ISO	9704	EB-NPN	1	22	0
PLB4523	MJF45H11	SBN	PHX	SBN	TO-220ISO	9650	PLR-PNP	1	22	0
PLB4552	SJF2003	SBN	PHX	SBN	TO-220ISO	9652	EB-NPN	1	22	0
PLB4569	SJF2008LFRB	SBN	PHX	SBN	TO-220ISO	9702	EB-PNP	1	22	0
PLB4588	SJF2009	SBN	PHX	SBN	TO-220ISO	9711	EB-NPN	1	22	0
PLB4523	SJF2010LFRK	SBN	PHX	SBN	TO-220ISO	9703	PLR-PNP	1	22	0
PLB4533	SJF2010LFRK	SBN	PHX	SBN	TO-220ISO	9709	PLR-PNP	1	22	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	24	528	N/A	0	0.00%
1993	TO-220ISO	53	1166	N/A	0	0.00%
1994	TO-220ISO	42	924	N/A	0	0.00%
1995	TO-220ISO	9	198	N/A	0	0.00%
1996	TO-220ISO	45	990	N/A	0	0.00%
P197	TO-220ISO	12	264	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	200	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	200	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9701	PLR-NPN	1000	50	0
PLB5468	MJF18004	SBN	PHX	SBN	TO-220ISO	9712	PLR-NPN	200	50	0
PLB5424	MJF18008	SBN	PHX	SBN	TO-220ISO	9713	PLR-NPN	200	50	0
PLB4552	MJF31C	SBN	PHX	SBN	TO-220ISO	9649	EB-NPN	200	50	0
PLB4552	MJF31C	SBN	PHX	SBN	TO-220ISO	9704	EB-NPN	200	50	0
PLB4523	MJF45H11	SBN	PHX	SBN	TO-220ISO	9650	PLR-PNP	200	50	0
PLB4552	SJF2003	SBN	PHX	SBN	TO-220ISO	9652	EB-NPN	200	50	0
PLB4569	SJF2008LFRB	SBN	PHX	SBN	TO-220ISO	9702	EB-PNP	200	50	0
PLB4588	SJF2009	SBN	PHX	SBN	TO-220ISO	9711	EB-NPN	200	50	0
PLB4523	SJF2010LFRK	SBN	PHX	SBN	TO-220ISO	9703	PLR-PNP	200	50	0
PLB4533	SJF2010LFRK	SBN	PHX	SBN	TO-220ISO	9709	PLR-PNP	200	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	26	1195	3.19E+05	0	0.00%
1993	TO-220ISO	65	3250	6.90E+05	0	0.00%
1994	TO-220ISO	43	2150	4.70E+05	0	0.00%
1995	TO-220ISO	9	450	9.00E+04	0	0.00%
1996	TO-220ISO	46	2300	5.00E+05	0	0.00%
P197	TO-220ISO	13	650	1.70E+05	0	0.00%

TO-225 — PLASTIC**AUTOCCLAVE**

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLE052	2N4922	SBN	PHX	SBN	TO-225	9707	EB-NPN	96	50	0
PLE007P	2N6036	SBN	PHX	SBN	TO-225	9711	EB-PNP	96	50	0
PLE045P	BD440	SBN	PHX	SBN	TO-225	9708	EB-PNP	96	50	0
PLE008	BD679	SBN	PHX	SBN	TO-225	9706	EB-NPN	96	50	0
PLE008P	BD679A	SBN	PHX	SBN	TO-225	9702	EB-NPN	96	50	0
PLE008	BD681	SBN	PHX	SBN	TO-225	9649	EB-NPN	96	50	0
PLE008	BD681	SBN	PHX	SBN	TO-225	9705	EB-NPN	96	50	0
PLE008P	BD681	SBN	PHX	SBN	TO-225	9712	EB-NPN	96	50	0
PLE008	MJE802	SBN	PHX	SBN	TO-225	9707	EB-NPN	96	50	0

AUTOCLAVE (continued)

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-225	53	2465	2.37E+05	0	0.00%
1993	TO-225	70	3500	3.36E+05	0	0.00%
1994	TO-225	74	3690	3.54E+05	0	0.00%
1995	TO-225	18	900	8.64E+04	0	0.00%
1996	TO-225	42	2100	2.02E+05	0	0.00%
P197	TO-225	9	450	4.32E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLE052	2N4922	SBN	PHX	SBN	TO-225	9707	EB-NPN	168	50	0
PLE007P	2N6036	SBN	PHX	SBN	TO-225	9711	EB-PNP	168	50	0
PLE045P	BD440	SBN	PHX	SBN	TO-225	9708	EB-PNP	168	50	0
PLE008	BD679	SBN	PHX	SBN	TO-225	9706	EB-NPN	168	50	0
PLE008P	BD679A	SBN	PHX	SBN	TO-225	9702	EB-NPN	168	50	0
PLE008	BD681	SBN	PHX	SBN	TO-225	9649	EB-NPN	168	50	0
PLE008	BD681	SBN	PHX	SBN	TO-225	9705	EB-NPN	168	50	0
PLE008P	BD681	SBN	PHX	SBN	TO-225	9712	EB-NPN	168	50	0
PLE008	MJE802	SBN	PHX	SBN	TO-225	9707	EB-NPN	168	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-225	53	2465	4.14E+05	4	0.16%
1993	TO-225	69	3450	6.21E+05	0	0.00%
1994	TO-225	64	3200	5.79E+05	0	0.00%
1995	TO-225	18	900	1.51E+05	0	0.00%
1996	TO-225	44	2200	4.53E+05	0	0.00%
P197	TO-225	9	450	7.56E+04	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 3.0 WATTS, DELTA TC = 90°C

MIL-STD-750, Method 1037

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLE052	2N4922	SBN	PHX	SBN	TO-225	9707	EB-NPN	1000	50	0
PLE007P	2N6036	SBN	PHX	SBN	TO-225	9711	EB-PNP	1000	50	0
PLE045P	BD440	SBN	PHX	SBN	TO-225	9708	EB-PNP	1000	50	0
PLE008	BD679	SBN	PHX	SBN	TO-225	9706	EB-NPN	1000	50	0
PLE008P	BD679A	SBN	PHX	SBN	TO-225	9702	EB-NPN	1000	50	0
PLE008	BD681	SBN	PHX	SBN	TO-225	9649	EB-NPN	1000	50	0
PLE008	BD681	SBN	PHX	SBN	TO-225	9705	EB-NPN	1000	50	0
PLE008P	BD681	SBN	PHX	SBN	TO-225	9712	EB-NPN	1000	50	0
PLE008	MJE802	SBN	PHX	SBN	TO-225	9707	EB-NPN	1000	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-225	11	520	4.99E+04	0	0.00%
1993	TO-225	59	2950	7.78E+05	0	0.00%
1994	TO-225	39	1950	2.32E+05	0	0.00%
1995	TO-225	7	350	3.36E+04	0	0.00%
1996	TO-225	24	1200	1.11E+06	0	0.00%
P197	TO-225	9	450	4.50E+05	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLE052	2N4922	SBN	PHX	SBN	TO-225	9707	EB-NPN	8	22	0
PLE007P	2N6036	SBN	PHX	SBN	TO-225	9711	EB-PNP	8	22	0
PLE045P	BD440	SBN	PHX	SBN	TO-225	9708	EB-PNP	8	22	0
PLE008	BD679	SBN	PHX	SBN	TO-225	9706	EB-NPN	8	22	0
PLE008P	BD679A	SBN	PHX	SBN	TO-225	9702	EB-NPN	8	22	0
PLE008	BD681	SBN	PHX	SBN	TO-225	9649	EB-NPN	8	22	0
PLE008	BD681	SBN	PHX	SBN	TO-225	9705	EB-NPN	8	22	0
PLE008P	BD681	SBN	PHX	SBN	TO-225	9712	EB-NPN	8	22	0
PLE008	MJE802	SBN	PHX	SBN	TO-225	9707	EB-NPN	8	22	0

SOLDERABILITY (continued)

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-225	39	858	N/A	0	0.00%
1993	TO-225	59	1298	N/A	0	0.00%
1994	TO-225	63	1386	N/A	0	0.00%
1995	TO-225	18	396	N/A	0	0.00%
1996	TO-225	42	924	N/A	0	0.00%
P197	TO-225	9	198	N/A	0	0.00%

SOLDER HEAT

TEMPERATURE: +260°C

STRESS: 10 SECOND DIP

MIL-STD-750, Method 2031

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLE052	2N4922	SBN	PHX	SBN	TO-225	9707	EB-NPN	1	22	0
PLE007P	2N6036	SBN	PHX	SBN	TO-225	9711	EB-PNP	1	22	0
PLE045P	BD440	SBN	PHX	SBN	TO-225	9708	EB-PNP	1	22	0
PLE008	BD679	SBN	PHX	SBN	TO-225	9706	EB-NPN	1	22	0
PLE008P	BD679A	SBN	PHX	SBN	TO-225	9702	EB-NPN	1	22	0
PLE008	BD681	SBN	PHX	SBN	TO-225	9649	EB-NPN	1	22	0
PLE008	BD681	SBN	PHX	SBN	TO-225	9705	EB-NPN	1	22	0
PLE008P	BD681	SBN	PHX	SBN	TO-225	9712	EB-NPN	1	22	0
PLE008	MJE802	SBN	PHX	SBN	TO-225	9707	EB-NPN	1	22	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-225	52	1190	N/A	0	0.00%
1993	TO-225	59	1298	N/A	0	0.00%
1994	TO-225	66	1686	N/A	0	0.00%
1995	TO-225	18	396	N/A	0	0.00%
1996	TO-225	42	924	N/A	0	0.00%
P197	TO-225	9	198	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLE052	2N4922	SBN	PHX	SBN	TO-225	9707	EB-NPN	200	50	0
PLE007P	2N6036	SBN	PHX	SBN	TO-225	9711	EB-PNP	200	50	0
PLE045P	BD440	SBN	PHX	SBN	TO-225	9708	EB-PNP	200	50	0
PLE008	BD679	SBN	PHX	SBN	TO-225	9706	EB-NPN	200	50	0
PLE008P	BD679A	SBN	PHX	SBN	TO-225	9702	EB-NPN	200	50	0
PLE008	BD681	SBN	PHX	SBN	TO-225	9649	EB-NPN	200	50	0
PLE008	BD681	SBN	PHX	SBN	TO-225	9705	EB-NPN	200	50	0
PLE008P	BD681	SBN	PHX	SBN	TO-225	9712	EB-NPN	200	50	0
PLE008	MJE802	SBN	PHX	SBN	TO-225	9707	EB-NPN	200	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-225	53	2471	4.94E+05	0	0.00%
1993	TO-225	71	3550	7.50E+05	0	0.00%
1994	TO-225	67	3335	7.48E+05	0	0.00%
1995	TO-225	18	900	1.80E+05	0	0.00%
1996	TO-225	44	2200	5.20E+05	0	0.00%
P197	TO-225	9	450	9.00E+04	0	0.00%

TO-247 — PLASTIC**AUTOCLAVE**

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-247	1	30	2.88E+03	0	0.00%
1993	TO-247	1	30	2.88E+03	0	0.00%
1994	TO-247	5	150	1.73E+04	0	0.00%
1995	TO-247	8	350	3.32E+04	0	0.00%
1996	TO-247	5	240	1.20E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	TO-247	3	150	1.80E+04	0	0.00%
1996	TO-247	5	600	3.00E+04	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 3.0 WATTS, DELTA TC = 90°C

MIL-STD-750, Method 1037

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1994	TO-247	1	30	6.00E+05	0	0.00%
1995	TO-247	3	150	1.50E+05	0	0.00%
1996	TO-247	5	5000	2.50E+05	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-247	1	30	3.00E+03	0	0.00%
1993	TO-247	1	30	3.00E+03	0	0.00%
1994	TO-247	5	150	7.20E+04	1	0.67%
1995	TO-247	8	350	7.55E+04	0	0.00%
1996	TO-247	5	3100	1.55E+05	0	0.00%

TO-251 (DPAK) — PLASTIC**AUTOCLAVE**

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3521	MJD210	PSI	TLS	PSI	TO-251	9649	PLR--PNP	48	50	0
PLC3521	MJD210	PSI	TLS	PSI	TO-251	9651	PLR--PNP	48	50	0
PLC3521	MJD210	PSI	PHX	PSI	TO-251	9714	PLR--PNP	48	50	0
PLC3521	MJD210	PSI	PHX	PSI	TO-251	9715	PLR--PNP	48	50	0
PLC3037	MJD32	PSI	PHX	PSI	TO-251	9716	EB-PNP	48	50	0
PLC3037	MJD32	PSI	PHX	PSI	TO-251	9719	EB-PNP	48	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS		PERCENT OF RESULTS		
1995	TO-251	14	700	3.36E+04		0		0.00%		
1996	TO-251	30	1472	7.20E+04		0		0.00%		
P197	TO-251	6	300	1.44E+04		0		0.00%		

DYE PENETRANT

TEMPERATURE: +25°C

STRESS: 15 psig

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	TO-251	16	240	N/A	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3521	MJD210	PSI	TLS	PSI	TO-251	9649	PLR--PNP	120	50	0
PLC3521	MJD210	PSI	TLS	PSI	TO-251	9651	PLR--PNP	120	50	0
PLC3521	MJD210	PSI	PHX	PSI	TO-251	9714	PLR--PNP	120	50	0
PLC3521	MJD210	PSI	PHX	PSI	TO-251	9715	PLR--PNP	120	50	0
PLC3037	MJD32	PSI	PHX	PSI	TO-251	9716	EB-PNP	120	50	0
PLC3037	MJD32	PSI	PHX	PSI	TO-251	9719	EB-PNP	120	50	0

HIGH TEMPERATURE STORAGE LIFE (continued)

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	TO-251	13	650	7.80E+04	0	0.00%
1996	TO-251	33	2630	1.98E+05	0	0.00%
P197	TO-251	6	300	3.60E+04	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: $P_D = 3.0$ WATTS, $\Delta T_C = 90^\circ\text{C}$

MIL-STD-750, Method 1037

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3521	MJD210	PSI	TLS	PSI	TO-251	9649	PLR--PNP	1000	50	0
PLC3521	MJD210	PSI	TLS	PSI	TO-251	9651	PLR--PNP	1000	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS		PERCENT OF RESULTS		
1995	TO-251	14	700	7.00E+05		0		0.00%		
1996	TO-251	29	16650	1.45E+06		0		0.00%		
P197	TO-251	2	100	1.00E+05		0		0.00%		

LEAD STRESS

TEMPERATURE: +25°C

STRESS: 2 - 5 seconds @ 90° BENDS

MIL-STD-750, Method 2036

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3521	MJD210	PSI	TLS	PSI	TO-251	9649	PLR--PNP	3	15	0
PLC3521	MJD210	PSI	TLS	PSI	TO-251	9651	PLR--PNP	3	15	0
PLC3521	MJD210	PSI	PHX	PSI	TO-251	9715	PLR--PNP	3	15	0
PLC3037	MJD32	PSI	PHX	PSI	TO-251	9714	EB-PNP	3	15	0
PLC3072	MJD50	PSI	PHX	PSI	TO-251	9716	EC-NPN	3	15	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS		PERCENT OF RESULTS		
1995	TO-251	16	240	N/A		0		0.00%		
1996	TO-251	28	240	N/A		0		0.00%		
P197	TO-251	5	75	N/A		0		0.00%		

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3521	MJD210	PSI	TLS	PSI	TO-251	9649	PLR--PNP	8	22	0
PLC3521	MJD210	PSI	TLS	PSI	TO-251	9651	PLR--PNP	8	22	0
PLC3521	MJD210	PSI	PHX	PSI	TO-251	9715	PLR--PNP	8	22	0
PLC3037	MJD32	PSI	PHX	PSI	TO-251	9714	EB-PNP	8	22	0
PLC3072	MJD50	PSI	PHX	PSI	TO-251	9716	EC-NPN	8	22	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS		PERCENT OF RESULTS		
1995	TO-251	16	352	N/A		0		0.00%		
1996	TO-251	31	421	N/A		0		0.00%		
P197	TO-251	5	110	N/A		0		0.00%		

SOLDER HEAT

TEMPERATURE: +260°C

STRESS: 10 SECOND DIP

MIL-STD-750, Method 2031

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3521	MJD210	PSI	TLS	PSI	TO-251	9649	PLR--PNP	1	50	0
PLC3521	MJD210	PSI	TLS	PSI	TO-251	9651	PLR--PNP	1	50	0
PLC3521	MJD210	PSI	PHX	PSI	TO-251	9714	PLR--PNP	1	50	0
PLC3521	MJD210	PSI	PHX	PSI	TO-251	9715	PLR--PNP	1	50	0
PLC3037	MJD32	PSI	PHX	PSI	TO-251	9716	EB-PNP	1	50	0
PLC3037	MJD32	PSI	PHX	PSI	TO-251	9719	EB-PNP	1	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS		PERCENT OF RESULTS		
1995	TO-251	14	700	N/A		0		0.00%		
1996	TO-251	30	814	N/A		0		0.00%		
P197	TO-251	6	300	N/A		0		0.00%		

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR $\geq$ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3521	MJD210	PSI	TLS	PSI	TO-251	9649	PLR--PNP	100	50	0
PLC3521	MJD210	PSI	TLS	PSI	TO-251	9651	PLR--PNP	100	50	0
PLC3521	MJD210	PSI	PHX	PSI	TO-251	9714	PLR--PNP	100	50	0
PLC3521	MJD210	PSI	PHX	PSI	TO-251	9715	PLR--PNP	100	50	0
PLC3037	MJD32	PSI	PHX	PSI	TO-251	9716	EB-PNP	100	50	0
PLC3037	MJD32	PSI	PHX	PSI	TO-251	9719	EB-PNP	100	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	TO-251	14	700	7.00E+04	0	0.00%
1996	TO-251	32	2300	1.60E+05	0	0.00%
P197	TO-251	6	300	3.00E+04	0	0.00%

TO-252 (DPAK) — PLASTIC**AUTOCLAVE**

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3442	BUD43B	SBN	PHX	SBN	TO-252	9706	PLR-NPN	96	50	0
PLC3442	BUD43B	SBN	PHX	SBN	TO-252	9708	PLR-NPN	96	50	0
PLC3442	BUD43B-1	SBN	PHX	SBN	TO-252	9703	PLR-NPN	96	50	0
PLC3442	BUD43B-1	SBN	PHX	SBN	TO-252	9709	PLR-NPN	96	50	0
PLC3007	MJD117T4	SBN	PHX	SBN	TO-252	9713	EB-PNP	96	50	0
PLC3008	MJD122T4	SBN	PHX	SBN	TO-252	9651	EB-NPN	96	50	0
PLC3020	MJD41CT4	SBN	PHX	SBN	TO-252	9705	EB-NPN	96	50	0
PLC3020	MJD41CT4	SBN	PHX	SBN	TO-252	9707	EB-NPN	96	50	0
PLC3021	MJD42CT4	SBN	PHX	SBN	TO-252	9650	EB-PNP	96	50	0
PLC3073	MJD5731T4	SBN	PHX	SBN	TO-252	9710	PLR-PNP	96	50	0
PLC3021	SJD1008LF	SBN	PHX	SBN	TO-252	9701	EB-PNP	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-252	29	1365	1.31E+05	8	0.59%
1993	TO-252	64	3200	3.07E+05	0	0.00%
1994	TO-252	64	3200	3.07E+05	0	0.00%
1995	TO-252	37	1850	1.49E+05	0	0.00%
1996	TO-252	55	2750	2.26E+05	0	0.00%
P197	TO-252	11	550	5.28E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3442	BUD43B	SBN	PHX	SBN	TO-252	9706	PLR-NPN	168	50	0
PLC3442	BUD43B	SBN	PHX	SBN	TO-252	9708	PLR-NPN	168	50	0
PLC3442	BUD43B-1	SBN	PHX	SBN	TO-252	9703	PLR-NPN	168	50	0
PLC3442	BUD43B-1	SBN	PHX	SBN	TO-252	9709	PLR-NPN	168	50	0
PLC3007	MJD117T4	SBN	PHX	SBN	TO-252	9713	EB-PNP	168	50	0
PLC3008	MJD122T4	SBN	PHX	SBN	TO-252	9651	EB-NPN	168	50	0
PLC3020	MJD41CT4	SBN	PHX	SBN	TO-252	9705	EB-NPN	168	50	0
PLC3020	MJD41CT4	SBN	PHX	SBN	TO-252	9707	EB-NPN	168	50	0
PLC3021	MJD42CT4	SBN	PHX	SBN	TO-252	9650	EB-PNP	168	50	0
PLC3073	MJD5731T4	SBN	PHX	SBN	TO-252	9710	PLR-PNP	168	50	0
PLC3021	SJD1008LF	SBN	PHX	SBN	TO-252	9701	EB-PNP	168	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-252	29	1365	2.29E+05	0	0.00%
1993	TO-252	62	3100	5.21E+05	0	0.00%
1994	TO-252	55	2750	5.04E+05	0	0.00%
1995	TO-252	40	2000	4.42E+05	0	0.00%
1996	TO-252	59	2950	6.24E+05	0	0.00%
P197	TO-252	11	550	9.24E+04	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: $P_D = 3.0$ WATTS, $\Delta T_C = 90^\circ\text{C}$

MIL-STD-750, Method 1037

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3442	BUD43B	SBN	PHX	SBN	TO-252	9706	PLR-NPN	1000	50	0
PLC3442	BUD43B	SBN	PHX	SBN	TO-252	9708	PLR-NPN	1000	50	0
PLC3442	BUD43B-1	SBN	PHX	SBN	TO-252	9703	PLR-NPN	1000	50	0
PLC3442	BUD43B-1	SBN	PHX	SBN	TO-252	9709	PLR-NPN	1000	50	0
PLC3007	MJD117T4	SBN	PHX	SBN	TO-252	9713	EB-PNP	1000	50	0
PLC3008	MJD122T4	SBN	PHX	SBN	TO-252	9651	EB-NPN	1000	50	0
PLC3020	MJD41CT4	SBN	PHX	SBN	TO-252	9705	EB-NPN	1000	50	0
PLC3020	MJD41CT4	SBN	PHX	SBN	TO-252	9707	EB-NPN	1000	50	0
PLC3021	MJD42CT4	SBN	PHX	SBN	TO-252	9650	EB-PNP	1000	50	0
PLC3073	MJD5731T4	SBN	PHX	SBN	TO-252	9710	PLR-PNP	1000	50	0
PLC3021	SJD1008LF	SBN	PHX	SBN	TO-252	9701	EB-PNP	1000	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-252	4	190	1.82E+04	2	1.05%
1993	TO-252	52	2600	2.50E+05	0	0.00%
1994	TO-252	44	2200	7.06E+05	0	0.00%
1995	TO-252	40	1972	2.04E+06	0	0.00%
1996	TO-252	41	2050	2.90E+06	0	0.00%
P197	TO-252	11	550	5.50E+05	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3442	BUD43B	SBN	PHX	SBN	TO-252	9706	PLR-NPN	8	22	0
PLC3442	BUD43B	SBN	PHX	SBN	TO-252	9708	PLR-NPN	8	22	0
PLC3442	BUD43B-1	SBN	PHX	SBN	TO-252	9703	PLR-NPN	8	22	0
PLC3442	BUD43B-1	SBN	PHX	SBN	TO-252	9709	PLR-NPN	8	22	0
PLC3007	MJD117T4	SBN	PHX	SBN	TO-252	9713	EB-PNP	8	22	0
PLC3008	MJD122T4	SBN	PHX	SBN	TO-252	9651	EB-NPN	8	22	0
PLC3020	MJD41CT4	SBN	PHX	SBN	TO-252	9705	EB-NPN	8	22	0
PLC3020	MJD41CT4	SBN	PHX	SBN	TO-252	9707	EB-NPN	8	22	0
PLC3021	MJD42CT4	SBN	PHX	SBN	TO-252	9650	EB-PNP	8	22	0
PLC3073	MJD5731T4	SBN	PHX	SBN	TO-252	9710	PLR-PNP	8	22	0
PLC3021	SJD1008LF	SBN	PHX	SBN	TO-252	9701	EB-PNP	8	22	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-252	21	462	N/A	0	0.00%
1993	TO-252	54	1188	N/A	22	1.85%
1994	TO-252	50	1100	N/A	0	0.00%
1995	TO-252	37	814	N/A	0	0.00%
1996	TO-252	52	1144	N/A	0	0.00%
P197	TO-252	11	242	N/A	0	0.00%

SOLDER HEAT

TEMPERATURE: +260°C

STRESS: 10 SECOND DIP

MIL-STD-750, Method 2031

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3442	BUD43B	SBN	PHX	SBN	TO-252	9706	PLR-NPN	1	22	0
PLC3442	BUD43B	SBN	PHX	SBN	TO-252	9708	PLR-NPN	1	22	0
PLC3442	BUD43B-1	SBN	PHX	SBN	TO-252	9703	PLR-NPN	1	22	0
PLC3442	BUD43B-1	SBN	PHX	SBN	TO-252	9709	PLR-NPN	1	22	0
PLC3007	MJD117T4	SBN	PHX	SBN	TO-252	9713	EB-PNP	1	22	0
PLC3008	MJD122T4	SBN	PHX	SBN	TO-252	9651	EB-NPN	1	22	0
PLC3020	MJD41CT4	SBN	PHX	SBN	TO-252	9705	EB-NPN	1	22	0
PLC3020	MJD41CT4	SBN	PHX	SBN	TO-252	9707	EB-NPN	1	22	0
PLC3021	MJD42CT4	SBN	PHX	SBN	TO-252	9650	EB-PNP	1	22	0
PLC3073	MJD5731T4	SBN	PHX	SBN	TO-252	9710	PLR-PNP	1	22	0
PLC3021	SJD1008LF	SBN	PHX	SBN	TO-252	9701	EB-PNP	1	22	0

SOLDER HEAT (continued)

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-252	29	983	N/A	0	0.00%
1993	TO-252	54	1188	N/A	0	0.00%
1994	TO-252	54	1188	N/A	0	0.00%
1995	TO-252	37	1038	N/A	0	0.00%
1996	TO-252	55	1658	N/A	0	0.00%
P197	TO-252	11	242	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR $\geq$ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLC3442	BUD43B	SBN	PHX	SBN	TO-252	9706	PLR-NPN	200	50	0
PLC3442	BUD43B	SBN	PHX	SBN	TO-252	9708	PLR-NPN	200	50	0
PLC3442	BUD43B-1	SBN	PHX	SBN	TO-252	9703	PLR-NPN	200	50	0
PLC3442	BUD43B-1	SBN	PHX	SBN	TO-252	9709	PLR-NPN	200	50	0
PLC3007	MJD117T4	SBN	PHX	SBN	TO-252	9713	EB-PNP	200	50	0
PLC3008	MJD122T4	SBN	PHX	SBN	TO-252	9651	EB-NPN	200	50	0
PLC3020	MJD41CT4	SBN	PHX	SBN	TO-252	9705	EB-NPN	200	50	0
PLC3020	MJD41CT4	SBN	PHX	SBN	TO-252	9707	EB-NPN	200	50	0
PLC3021	MJD42CT4	SBN	PHX	SBN	TO-252	9650	EB-PNP	200	50	0
PLC3073	MJD5731T4	SBN	PHX	SBN	TO-252	9710	PLR-PNP	200	50	0
PLC3021	SJD1008LF	SBN	PHX	SBN	TO-252	9701	EB-PNP	200	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-252	29	1365	2.73E+05	0	0.00%
1993	TO-252	64	3200	6.40E+05	0	0.00%
1994	TO-252	55	2750	5.90E+05	0	0.00%
1995	TO-252	40	2000	4.80E+05	0	0.00%
1996	TO-252	59	2950	6.70E+05	0	0.00%
P197	TO-252	11	550	1.10E+05	0	0.00%

TO-264 — PLASTIC**AUTOCCLAVE**

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9631	PB-PNP	96	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9639	PB-PNP	96	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9639	PB-PNP	96	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	96	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	96	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	96	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	96	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	96	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	96	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	96	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	96	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	96	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	96	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	96	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	96	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1994	TO-264	14	550	2.76E+04	0	0.00%
1995	TO-264	6	150	8.40E+03	0	0.00%
1996	TO-264	19	950	6.96E+04	0	0.00%
P197	TO-264	15	750	7.20E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9631	PB-PNP	1000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9639	PB-PNP	1000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9639	PB-PNP	1000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	1000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	1000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	1000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	1000	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	1000	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	1000	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	1000	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	1000	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	1000	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	1000	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	1000	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	1000	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	1000	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1994	TO-264	9	450	2.30E+05	0	0.00%
1995	TO-264	2	100	5.60E+04	0	0.00%
1996	TO-264	19	950	5.54E+05	0	0.00%
P197	TO-264	15	750	7.50E+05	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: $P_D = 100\%$, $t_{on} = t_{off} = 1$ MINUTE

MIL-STD-750, Method 1037

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9631	PB-PNP	10000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9639	PB-PNP	10000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9639	PB-PNP	10000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	10000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	10000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	10000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	10000	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	10000	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	10000	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	10000	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	10000	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	10000	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	10000	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	10000	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	10000	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	10000	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1994	TO-264	9	450	2.21E+06	0	0.00%
1995	TO-264	2	100	5.60E+04	0	0.00%
1996	TO-264	19	950	6.80E+06	0	0.00%
P197	TO-264	15	750	7.50E+06	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9631	PB-PNP	1000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9639	PB-PNP	1000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9639	PB-PNP	1000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	1000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	1000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	1000	50	0
PLR1993	MJL1302A	SUB	PHX	SUB	TO-264	9649	PB-PNP	1000	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	1000	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	1000	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	1000	50	0
PLR1993	MJL21193	SUB	PHX	SUB	TO-264	9646	PB-PNP	1000	50	0

TEMPERATURE CYCLING (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	1000	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	1000	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	1000	50	0
PLR1994	MJL3281A	SUB	PHX	SUB	TO-264	9648	PB-NPN	1000	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS		PERCENT OF RESULTS		
1994	TO-264	14	550	2.29E+05		0		0.00%		
1995	TO-264	3	75	2.25E+03		0		0.00%		
1996	TO-264	18	900	6.45E+05		0		0.00%		
P197	TO-264	15	750	7.50E+05		0		0.00%		

SUMMARY

AUTOCLAVE

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	COMMENTS
PLA545	TIP127	GDL	TLS	GDL	TO-220	9706	EB-PNP	REP#3-53 CONTAM. ON PKG

HIGH TEMPERATURE REVERSE BIAS

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	COMMENTS
PLA545	TIP127	GDL	TLS	GDL	TO-220	9706	EB-PNP	REP#3-53 CONTAM. ON PKG

HIGH TEMPERATURE STORAGE LIFE

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	COMMENTS
PLA545	TIP127	GDL	TLS	GDL	TO-220	9706	EB-PNP	REP#3-53 CONTAM. ON PKG

TEMPERATURE CYCLING

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	COMMENTS
PLA545	TIP127	GDL	TLS	GDL	TO-220	9706	EB-PNP	REP#3-53 CONTAM. ON PKG

RECTIFIERS

FAST RECOVERY RECTIFIER — METAL

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_R = 80\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	FRR	3	150	1.80E+04	2	5.05E+07	1.67E+06	55	90	60.61	105.46	1831.22	3186.12
1994	FRR	3	150	1.80E+04	6	5.05E+07	1.67E+06	55	90	143.82	208.69	4345.18	6304.86
1995	FRR	1	50	6.00E+03	0	1.68E+07	5.57E+05	55	90	53.62	136.87	1619.90	4135.21

SCHOTTKY BARRIER RECTIFIER — METAL

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_R = 80\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	SBR	2	78	2.00E+04	0	5.61E+07	1.86E+06	55	90	16.09	41.06	485.97	1240.56
1993	SBR	4	178	4.04E+04	0	1.13E+08	3.75E+06	55	90	7.97	20.35	240.82	614.75
1994	SBR	10	346	4.15E+04	0	1.16E+08	3.85E+06	55	90	7.75	19.78	234.09	597.57
1995	SBR	3	150	1.80E+04	0	5.05E+07	1.67E+06	55	90	17.87	45.62	539.97	1378.40

STANDARD RECOVERY — METAL

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_R = 80\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	SRR	2	100	1.20E+04	1	3.36E+07	1.11E+06	55	90	59.13	115.61	1786.47	3492.77

FAST RECOVERY RECTIFIER — PLASTIC

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +125°C

STRESS: $V_R = 80\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL575	1N4937	LITEON	PHX	LITEON	CASE--59	9703	FRR	168	80	0
RL575	1N4937	LITEON	PHX	LITEON	CASE--59	9707	FRR	168	80	0
RL575	1N4937	LITEON	PHX	LITEON	CASE--59	9711	FRR	168	80	0
RL575	1N4937	LITEON	PHX	LITEON	CASE--59	9715	FRR	168	80	0
RL580B	MR856	LITEON	PHX	LITEON	CASE-267	9703	FRR	168	80	0
RL580B	MR856	LITEON	PHX	LITEON	CASE-267	9707	FRR	168	80	0
RL580B	MR856	LITEON	PHX	LITEON	CASE-267	9711	FRR	168	80	0
RL580B	MR856	LITEON	PHX	LITEON	CASE-267	9715	FRR	168	80	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	FRR	8	640	1.08E+05	3	1.64E+08	7.07E+06	45	75	25.14	40.79	582.64	945.35
1996	FRR	16	1280	2.15E+05	0	3.28E+08	1.41E+07	45	75	2.75	7.03	63.82	162.91
P197	FRR	8	640	1.08E+05	0	1.64E+08	7.07E+06	45	75	5.51	14.06	127.64	325.82

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_R = 80\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	FRR	8	400	5.52E+04	0	1.55E+08	5.12E+06	55	90	5.83	14.88	176.08	449.48
1993	FRR	5	250	3.96E+04	8	1.11E+08	3.68E+06	55	90	84.09	117.04	2540.38	3535.94
1994	FRR	1	50	6.00E+03	0	1.68E+07	5.57E+05	55	90	53.62	136.87	1619.90	4135.21
1995	FRR	8	400	4.80E+04	1	1.35E+08	4.45E+06	55	90	14.78	28.90	446.62	873.19
1996	FRR	9	685	1.15E+05	0	3.23E+08	1.07E+07	55	90	2.80	7.14	84.46	215.60

SCHOTTKY BARRIER RECTIFIER — PLASTIC**HIGH TEMPERATURE REVERSE BIAS**

TEMPERATURE: +125°C

STRESS: $V_R = 80\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1996	SBR	2	88	1.48E+04	0	2.25E+07	9.72E+05	45	75	40.05	102.25	928.26	2369.62

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_R = 80\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL956	1N5817	GDL	PHX	GDL	CASE-59	9708	SBR	120	50	0
RL754A	1N5819	GDL	PHX	GDL	CASE-59	9706	SBR	120	50	0
RL754A	1N5819	GDL	PHX	GDL	CASE-59	9709	SBR	120	50	0
RL754	1N5819	GDL	PHX	GDL	CASE-59	9711	SBR	120	50	0
RL755	1N5821	GDL	PHX	GDL	CASE-267	9709	SBR	120	50	0
RL755	1N5821	GDL	PHX	GDL	CASE-267	9710	SBR	120	50	0
RL766	MBR1100	GDL	PHX	GDL	CASE-59	9709	SBR	120	50	0
RL766	MBR1100	GDL	PHX	GDL	CASE-59	9709	SBR	168	50	0
RL766	MBR1100	GDL	PHX	GDL	CASE-59	9709	SBR	500	50	0
RLP763	MBR20030CTL	GDL	GDL	GDL	CASE-357	9706	SBR	120	50	0
RL973E	MBR20100CT	GDL	PHX	GDL	TO-220	9713	SBR	120	50	0
RL944	MBR20200CT	GDL	PHX	GDL	TO-220	9705	SBR	120	50	0
RL946	MBR2045CT	GDL	PHX	GDL	TO-220	9709	SBR	120	50	0
RL946	MBR2045CT	GDL	PHX	GDL	TO-220	9711	SBR	120	50	0
RL765A	MBR360	GDL	PHX	GDL	CASE-267	9706	SBR	120	50	0
RL765	MBR360	GDL	PHX	GDL	CASE-267	9711	SBR	120	50	0
RL933	MBR745	GDL	PHX	GDL	TO-220	9707	SBR	120	50	0
RL933	MBR745	GDL	PHX	GDL	TO-220	9710	SBR	120	50	0
RLP763	MBRP20030CTL	GDL	GDL	GDL	CASE-357	9706	SBR	120	50	0
RLP764	MBRP30045CT	GDL	GDL	GDL	CASE-357	9706	SBR	120	50	0
RLP764	MBRP30045CT	GDL	GDL	GDL	CASE-357	9706	SBR	120	50	0
RL956	SBR5319RLC	GDL	PHX	GDL	CASE-59	9703	SBR	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	SBR	23	1150	1.71E+05	1	4.81E+08	1.59E+07	55	90	4.14	8.09	125.07	244.53
1993	SBR	31	1432	1.72E+05	5	4.82E+08	1.59E+07	55	90	12.90	19.25	389.78	581.58
1994	SBR	71	3490	4.13E+05	1	1.16E+09	3.84E+07	55	90	1.72	3.36	51.85	101.38
1995	SBR	51	2523	3.18E+05	0	8.91E+08	2.95E+07	55	90	2.82	4.91	81.25	99.31
1996	SBR	46	3964	2.59E+05	0	7.26E+08	2.40E+07	55	90	1.24	3.17	37.52	95.78
P197	SBR	22	1100	1.53E+05	0	4.30E+08	1.42E+07	55	90	2.10	5.35	63.36	161.74

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_R = 100\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLL755S	MBR340T3	SBN	PHX	SBN	SMC	9642	SBR	96	50	0
RLD735A	MBRD320	SBN	PHX	SBN	TO-252	9712	SBR	96	50	0
RLD735A	MBRD340RL	SBN	PHX	SBN	TO-252	9650	SBR	96	50	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	1000	50	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	96	50	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	96	50	0

HIGH TEMPERATURE REVERSE BIAS (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9711	SBR	96	50	0
RLD735A	MBRD360T4	SBN	PHX	SBN	TO-252	9705	SBR	96	50	0
RLD745	MBRD630CTT4	SBN	PHX	SBN	TO-252	9709	SBR	96	50	0
RLD745	MBRD640CTT4	SBN	PHX	SBN	TO-252	9713	SBR	96	50	0
RLD924	MBRD835LT4	SBN	PHX	SBN	TO-252	9652	SBR	96	50	0
RLD924	MBRD835LT4	SBN	PHX	SBN	TO-252	9703	SBR	96	50	0
RLL766S	MBRS11W73	SBN	PHX	SBN	SMB	9710	SBR	96	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9702	SBR	96	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9708	SBR	96	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9712	SBR	96	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9648	SBR	96	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9651	SBR	96	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9705	SBR	96	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9706	SBR	96	50	0
RLD924	SBRD335-1	SBN	PHX	SBN	TO-252	9648	SBR	96	50	0
RLD924	SBRD335L	SBN	PHX	SBN	TO-252	9649	SBR	96	50	0
RLD924	SBRD335LT4	SBN	PHX	SBN	TO-252	9710	SBR	96	50	0
RLD745	SBRD5644-5	SBN	PHX	SBN	TO-252	9707	SBR	96	50	0
RLL756M	SBR5230LT3	SBN	PHX	SBN	SMB	9704	SBR	96	50	0
RLL756M	SBR5230LT3	SBN	PHX	SBN	SMB	9713	SBR	96	50	0
RLL755S	SBR559773	SBN	PHX	SBN	SMC	9708	SBR	96	50	0
RLL755S	SBR559773	SBN	PHX	SBN	SMC	9710	SBR	96	50	0
RLL754S	SBR5598T3	SBN	PHX	SBN	SMB	9711	SBR	96	50	0
RLL754S	SBR5641T3	SBN	PHX	SBN	SMB	9646	SBR	96	50	0
RLL754S	SBR5645T3	SBN	PHX	SBN	SMB	9650	SBR	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	SBR	2	100	9.60E+03	0	2.69E+07	8.91E+05	55	90	33.51	85.55	1012.44	2584.51
1993	SBR	42	2002	1.92E+05	0	5.39E+08	1.78E+07	55	90	1.67	4.27	50.57	129.10
1994	SBR	92	4467	5.15E+05	0	1.44E+09	4.78E+07	55	90	0.63	1.60	18.88	48.20
1995	SBR	46	2450	3.71E+05	0	1.04E+09	3.44E+07	55	90	0.87	2.21	26.21	66.91
1996	SBR	92	4664	6.23E+05	3	1.75E+09	5.78E+07	55	90	2.36	3.82	71.21	115.53
P197	SBR	31	1550	1.94E+05	0	5.44E+08	1.80E+07	55	90	1.66	4.23	50.10	127.89

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_R = 80\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	SBR	4	200	1.34E+04	0	4.16E+07	9.95E+05	60	100	21.67	55.33	906.79	2314.81

STANDARD RECOVERY RECTIFIER — PLASTIC

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +125°C

STRESS: $V_R = 80\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL524B	1N4007	LITEON	PHX	LITEON	CASE--59	9703	SRR	168	80	0
RL524B	1N4007	LITEON	PHX	LITEON	CASE--59	9707	SRR	168	80	0
RL524B	1N4007	LITEON	PHX	LITEON	CASE--59	9711	SRR	168	80	0
RL524B	1N4007	LITEON	PHX	LITEON	CASE--59	9715	SRR	168	80	0
RL533B	1N5408	LITEON	PHX	LITEON	CASE--59	9703	SRR	168	80	0
RL533B	1N5408	LITEON	PHX	LITEON	CASE--59	9707	SRR	168	80	0
RL533B	1N5408	LITEON	PHX	LITEON	CASE--59	9711	SRR	168	80	0
RL533B	1N5408	LITEON	PHX	LITEON	CASE--59	9715	SRR	168	80	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	SRR	4	160	4.77E+04	0	7.26E+07	3.13E+06	45	75	12.42	31.70	287.82	734.74
1993	SRR	4	180	3.02E+04	0	4.61E+07	1.99E+06	45	75	19.58	49.99	453.82	1158.48
1994	SRR	1	45	7.56E+03	0	1.15E+07	4.97E+05	45	75	78.33	199.95	1815.26	4633.93
1995	SRR	8	640	1.08E+05	0	1.64E+08	7.07E+06	45	75	5.51	14.06	127.64	325.82
1996	SRR	18	1368	2.30E+05	0	3.50E+08	1.51E+07	45	75	2.58	6.58	59.71	152.43
P197	SRR	8	640	1.08E+05	0	1.64E+08	7.07E+06	45	75	5.51	14.06	127.64	325.82

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_R = 80\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL601	MR750	GDL	TLS	GDL	CASE-194	9711	SRR	120	50	0
RL601M	MR751	GDL	TLS	GDL	CASE-194	9702	SRR	120	50	0
RL601	MR751	GDL	TLS	GDL	CASE-194	9704	SRR	120	50	0
RL601	MR752	GDL	TLS	GDL	CASE-194	9705	SRR	120	50	0
RL601	MR752	GDL	TLS	GDL	CASE-194	9707	SRR	120	50	0
RL601	MR754	GDL	TLS	GDL	CASE-194	9703	SRR	120	50	0
RL601	MR754	GDL	TLS	GDL	CASE-194	9710	SRR	120	50	0
RL601	MR756	GDL	TLS	GDL	CASE-194	9706	SRR	120	50	0
RL601M	SR2302KRL	GDL	TLS	GDL	CASE-194	9708	SRR	120	50	0
RL601	SR2512-13	GDL	TLS	GDL	CASE-194	9712	SRR	120	50	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9703	SRR	120	50	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9703	SRR	120	50	0
RL602	SR4483RL	GDL	TLS	GDL	CASE-194	9709	SRR	120	50	4

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	SRR	108	5075	6.23E+05	33	1.75E+09	5.78E+07	55	90	20.13	23.85	608.04	720.44
1993	SRR	49	2310	2.96E+05	19	8.31E+08	2.75E+07	55	90	25.04	31.17	756.49	941.59
1994	SRR	50	2500	3.00E+05	37	8.41E+08	2.78E+07	55	90	46.65	54.79	1409.40	1655.21
1995	SRR	84	3075	3.24E+05	17	9.08E+08	3.01E+07	55	90	20.64	25.98	623.58	785.00
1996	SRR	31	3650	2.90E+05	14	8.12E+08	2.69E+07	55	90	19.13	24.80	577.81	749.13
P197	SRR	13	650	7.80E+04	4	2.19E+08	7.24E+06	55	90	23.64	36.55	714.15	1104.28

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_R = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	SRR	1	25	2.50E+04	0	7.01E+07	2.32E+06	55	90	12.87	32.85	388.78	992.45
1993	SRR	4	200	3.36E+04	0	9.42E+07	3.12E+06	55	90	9.57	24.44	289.27	738.43
1995	SRR	2	90	1.51E+04	0	4.24E+07	1.40E+06	55	90	21.28	54.32	642.82	1640.96
1996	SRR	12	600	7.20E+04	4	2.02E+08	6.68E+06	55	90	25.61	39.60	773.66	1196.30

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_R = 80\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	SRR	1	50	3.35E+03	0	1.04E+07	2.49E+05	60	100	86.70	221.32	3627.16	9259.25

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +175°C

STRESS: $V_R = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	SRR	4	180	3.02E+04	0	1.38E+08	3.65E+06	65	105	6.56	16.74	247.31	631.31
1993	SRR	7	315	1.28E+05	0	5.81E+08	1.54E+07	65	105	1.55	3.96	58.52	149.38
1994	SRR	7	315	5.29E+04	2	2.41E+08	6.38E+06	65	105	12.71	22.11	479.26	833.86
1995	SRR	9	405	2.18E+05	3	9.91E+08	2.63E+07	65	105	4.16	6.74	156.74	254.32

TRANSIENT SUPPRESSOR — PLASTIC**HIGH TEMPERATURE REVERSE BIAS**

TEMPERATURE: +150°C

STRESS: $V_R = 80\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL621	MR2535	GDL	PHX	GDL	CASE-194	9707	TS	120	50	0
RL620M	MR2535L	GDL	PHX	GDL	CASE-194	9708	TS	120	50	0
RL621	MR2535L	GDL	PHX	GDL	CASE-194	9712	TS	120	50	0
RL621	SR4110LRL	GDL	PHX	GDL	CASE-194	9710	TS	120	50	0
RL621	SR4116LRL	GDL	PHX	GDL	CASE-194	9703	TS	120	50	0
RL621	SR4116LRL	GDL	PHX	GDL	CASE-194	9705	TS	120	50	0

HIGH TEMPERATURE REVERSE BIAS (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL621	SR4116LRL	GDL	PHX	GDL	CASE-194	9706	TS	120	50	0
RL620	SR4183RL	GDL	PHX	GDL	CASE-194	9711	TS	120	50	0
RL621M	SR4410LRL	GDL	PHX	GDL	CASE-194	9702	TS	120	50	0
RL621	SR4410LRL	GDL	PHX	GDL	CASE-194	9709	TS	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	TS	32	1600	2.72E+05	1	7.62E+08	2.52E+07	55	90	2.61	5.10	78.87	154.21
1993	TS	31	1550	1.86E+05	1	5.21E+08	1.73E+07	55	90	3.81	7.46	115.26	225.34
1994	TS	56	2800	3.36E+05	0	9.42E+08	3.12E+07	55	90	0.96	2.44	28.93	73.84
1995	TS	37	1850	2.85E+05	1	7.99E+08	2.64E+07	55	90	2.49	4.87	75.22	147.06
1996	TS	23	3280	1.96E+05	0	5.50E+08	1.82E+07	55	90	1.64	4.19	49.54	126.46
P197	TS	10	500	6.00E+04	0	1.68E+08	5.57E+06	55	90	5.36	13.69	161.99	413.52

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_R = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	TS	1	45	4.50E+04	0	1.26E+08	4.18E+06	55	90	7.15	18.25	215.99	551.36
1996	TS	15	750	9.00E+04	1	2.52E+08	8.35E+06	55	90	7.88	15.41	238.20	465.70

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +175°C

STRESS: $V_R = 100\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1994	TS	10	430	7.22E+04	0	3.29E+08	8.71E+06	65	105	2.75	7.01	103.52	264.27
1995	TS	2	89	5.16E+04	0	2.34E+08	6.22E+06	65	105	3.85	9.82	145.05	370.27

ULTRA FAST RECOVERY RECTIFIER — PLASTIC**HIGH TEMPERATURE REVERSE BIAS**

TEMPERATURE: +150°C

STRESS: $V_R = 80\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL517	MUR120	GDL	PHX	GDL	CASE-59	9710	UFRR	120	50	0
RL606	MUR1560	GDL	PHX	GDL	TO-220	9708	UFRR	120	50	0
RL315E	MUR1615CT	GDL	PHX	GDL	TO-220	9702	UFRR	120	50	0
RL537	MUR410	GDL	PHX	GDL	CASE-267	9708	UFRR	120	50	0
RL538	MUR440	GDL	PHX	GDL	CASE-267	9703	UFRR	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	UFRR	49	2101	6.68E+05	19	1.87E+09	6.20E+07	55	90	11.11	13.83	335.78	417.95
1993	UFRR	48	2340	2.85E+05	23	7.99E+08	2.65E+07	55	90	31.17	38.09	941.70	1150.85
1994	UFRR	67	3282	5.40E+05	7	1.51E+09	5.01E+07	55	90	5.48	7.77	165.49	234.74
1995	UFRR	41	2050	2.65E+05	15	7.43E+08	2.46E+07	55	90	22.46	28.65	678.58	865.67
1996	UFRR	33	4108	2.53E+05	10	7.09E+08	2.35E+07	55	90	16.08	21.73	485.94	656.47
P197	UFRR	5	250	3.00E+04	0	8.41E+07	2.78E+06	55	90	10.72	27.37	323.98	827.04

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_R = 100\%$

MIL-STD-750, Method 1039

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLD410	MURD320T4	SBN	PHX	SBN	TO-252	9704	UFRR	96	50	0
RLL517S	MURS115T3	SBN	PHX	SBN	SMB	9643	UFRR	96	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9631	UFRR	96	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9652	UFRR	96	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9706	UFRR	96	50	0
RLL518S	MURS160T3	SBN	PHX	SBN	SMB	9648	UFRR	96	50	0
RLL537S	MURS320T3	SBN	PHX	SBN	SMC	9649	UFRR	96	50	0
RLL537S	MURS320T3	SBN	PHX	SBN	SMC	9702	UFRR	96	50	0
RLF317	SURF319LFRB	SBN	PHX	SBN	TO-220ISO	9651	UFRR	96	50	0

HIGH TEMPERATURE REVERSE BIAS (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLF317	SURF319LFRB	SBN	PHX	SBN	TO-220ISO	9710	UFRR	96	50	0
RLL517S	SURS283T3	SBN	PHX	SBN	SMC	9701	UFRR	96	50	0
RLL537S	SURS283T3003	SBN	PHX	SBN	SMC	9712	UFRR	96	50	0
RLL537S	SURS5648T3	SBN	PHX	SBN	SMC	9647	UFRR	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	UFRR	3	150	1.44E+04	0	4.04E+07	1.34E+06	55	90	22.34	57.03	674.96	1723.00
1993	UFRR	28	1344	1.70E+05	0	4.76E+08	1.57E+07	55	90	1.90	4.84	57.27	146.20
1994	UFRR	55	2622	3.41E+05	1	9.57E+08	3.17E+07	55	90	2.08	4.06	62.81	122.80
1995	UFRR	37	1762	2.82E+05	3	7.89E+08	2.61E+07	55	90	5.22	8.46	157.58	255.68
1996	UFRR	81	4134	6.08E+05	1	1.70E+09	5.64E+07	55	90	1.17	2.28	35.28	68.97
P197	UFRR	13	650	6.24E+04	0	1.75E+08	5.79E+06	55	90	5.16	13.16	155.76	397.62

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_R = 80\%$

MIL-STD-750, Method 1039

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	UFRR	14	700	4.69E+04	1	1.46E+08	3.48E+06	60	100	13.66	26.71	571.45	1117.25

CASE-60 — METAL**HIGH TEMPERATURE STORAGE LIFE**

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-60	8	400	7.18E+04	0	0.00%
1993	CASE-60	6	300	5.50E+04	0	0.00%
1994	CASE-60	6	256	3.07E+04	1	0.39%
1995	CASE-60	6	300	3.60E+04	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR $\geq$ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-60	5	250	2.55E+04	0	0.00%
1993	CASE-60	5	350	3.50E+04	9	2.57%
1994	CASE-60	5	250	2.50E+04	0	0.00%
1995	CASE-60	6	300	3.00E+04	4	1.33%

DO-203 — METAL**HIGH TEMPERATURE STORAGE LIFE**

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	DO-203	9	660	5.14E+04	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR $\geq$ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	DO-203	8	550	3.78E+04	0	0.00%

TO-204 — METAL

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-204	4	200	2.88E+04	0	0.00%
1993	TO-204	11	550	8.50E+04	0	0.00%
1994	TO-204	6	295	5.44E+04	0	0.00%
1995	TO-204	7	350	1.24E+05	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-204	3	70	N/A	0	0.00%
1993	TO-204	10	100	N/A	0	0.00%
1994	TO-204	6	60	N/A	0	0.00%
1995	TO-204	4	40	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-204	4	200	1.10E+04	0	0.00%
1993	TO-204	10	500	5.00E+04	0	0.00%
1994	TO-204	6	300	5.00E+04	0	0.00%
1995	TO-204	7	350	1.20E+05	0	0.00%

CASE-59 — PLASTIC

AUTOCCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL956	1N5817	GDL	PHX	GDL	CASE-59	9708	SBR	96	50	0
RL956	1N5817	GDL	PHX	GDL	CASE-59	9708	SBR	48	50	0
RL754A	1N5819	GDL	PHX	GDL	CASE-59	9706	SBR	48	50	0
RL754A	1N5819	GDL	PHX	GDL	CASE-59	9709	SBR	48	50	0
RL754	1N5819	GDL	PHX	GDL	CASE-59	9711	SBR	48	50	0
RL766	MBR1100	GDL	PHX	GDL	CASE-59	9709	SBR	48	50	0
RL766	MBR1100	GDL	PHX	GDL	CASE-59	9709	SBR	96	50	0
RL517	MUR120	GDL	PHX	GDL	CASE-59	9710	UFRR	48	50	0
RL956	SBR5319RLC	GDL	PHX	GDL	CASE-59	9703	SBR	48	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-59	42	2021	8.69E+04	7	0.35%
1993	CASE-59	54	2700	1.09E+05	19	0.70%
1994	CASE-59	54	2664	1.29E+05	7	0.26%
1995	CASE-59	46	2720	9.54E+04	8	0.29%
1996	CASE-59	75	4734	1.28E+05	10	0.21%
P197	CASE-59	9	450	2.64E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL956	1N5817	GDL	PHX	GDL	CASE-59	9708	SBR	120	50	0
RL956	1N5817	GDL	PHX	GDL	CASE-59	9708	SBR	168	50	0
RL956	1N5817	GDL	PHX	GDL	CASE-59	9708	SBR	500	50	0
RL754A	1N5819	GDL	PHX	GDL	CASE-59	9706	SBR	120	50	0
RL754A	1N5819	GDL	PHX	GDL	CASE-59	9709	SBR	120	50	0
RL754	1N5819	GDL	PHX	GDL	CASE-59	9711	SBR	120	50	0
RL766	MBR1100	GDL	PHX	GDL	CASE-59	9709	SBR	120	50	0
RL766	MBR1100	GDL	PHX	GDL	CASE-59	9709	SBR	1000	50	0
RL766	MBR1100	GDL	PHX	GDL	CASE-59	9709	SBR	168	50	0
RL517	MUR120	GDL	PHX	GDL	CASE-59	9710	UFRR	120	50	0
RL956	SBR5319RLC	GDL	PHX	GDL	CASE-59	9703	SBR	120	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			

1992	CASE-59	33	1631	3.03E+05		0	0.00%			
1993	CASE-59	55	2900	4.90E+05		0	0.00%			
1994	CASE-59	53	2639	3.35E+05		2	0.08%			
1995	CASE-59	43	2850	5.98E+05		2	0.07%			
1996	CASE-59	71	6880	8.69E+05		0	0.00%			
P197	CASE-59	11	550	1.34E+05		0	0.00%			

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +175°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			
1995	CASE-59	7	350	2.09E+04		0	0.00%			

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 100%, t_{on} = 15 SEC, t_{off} = 30 SEC

MIL-STD-750, Method 1037

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			
1992	CASE-59	1	25	2.50E+05		1	4.00%			
1993	CASE-59	1	25	2.50E+05		0	0.00%			
1994	CASE-59	9	400	8.50E+05		3	0.75%			
1995	CASE-59	6	300	3.00E+05		0	0.00%			

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL956	1N5817	GDL	PHX	GDL	CASE-59	9708	SBR	4	10	0
RL754A	1N5819	GDL	PHX	GDL	CASE-59	9706	SBR	4	10	0
RL754A	1N5819	GDL	PHX	GDL	CASE-59	9709	SBR	4	10	0
RL754	1N5819	GDL	PHX	GDL	CASE-59	9711	SBR	4	10	0
RL766	MBR1100	GDL	PHX	GDL	CASE-59	9709	SBR	4	10	0
RL517	MUR120	GDL	PHX	GDL	CASE-59	9710	UFRR	4	10	0
RL956	SBR5319RLC	GDL	PHX	GDL	CASE-59	9703	SBR	4	10	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			

1992	CASE-59	19	270	N/A		0	0.00%			
1993	CASE-59	37	370	N/A		0	0.00%			
1994	CASE-59	53	610	N/A		0	0.00%			
1995	CASE-59	24	240	N/A		0	0.00%			
1996	CASE-59	25	220	N/A		0	0.00%			
P197	CASE-59	7	70	N/A		0	0.00%			

TEMPERATURE CYCLING

TEMPERATURE: -55°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-59	45	2159	2.15E+05	2	0.09%
1993	CASE-59	38	1899	3.39E+05	1	0.05%
1994	CASE-59	53	2614	2.81E+05	2	0.08%
1995	CASE-59	14	1120	1.12E+05	0	0.00%
1996	CASE-59	24	1920	1.92E+05	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -55°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL956	1N5817	GDL	PHX	GDL	CASE-59	9708	SBR	100	50	0
RL956	1N5817	GDL	PHX	GDL	CASE-59	9708	SBR	500	50	0
RL956	1N5817	GDL	PHX	GDL	CASE-59	9708	SBR	1000	50	0
RL754A	1N5819	GDL	PHX	GDL	CASE-59	9706	SBR	100	50	0
RL754A	1N5819	GDL	PHX	GDL	CASE-59	9709	SBR	100	50	0
RL754	1N5819	GDL	PHX	GDL	CASE-59	9711	SBR	100	50	0
RL766	MBR1100	GDL	PHX	GDL	CASE-59	9709	SBR	100	50	0
RL766	MBR1100	GDL	PHX	GDL	CASE-59	9709	SBR	1000	50	0
RL766	MBR1100	GDL	PHX	GDL	CASE-59	9709	SBR	500	50	0
RL517	MUR120	GDL	PHX	GDL	CASE-59	9710	UFRR	100	50	0
RL956	SBR5319RLC	GDL	PHX	GDL	CASE-59	9703	SBR	100	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS		PERCENT OF RESULTS		
1995	CASE-59	15	750	2.05E+05		0		0.00%		
1996	CASE-59	52	4840	4.14E+05		1		0.02%		
P197	CASE-59	11	550	1.85E+05		0		0.00%		

CASE-193 — PLASTIC**AUTOCLAVE**

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL840	MR2502	GDL	TLS	GDL	CASE-193	9702	SRR	48	50	2
RL840	MR2502	GDL	TLS	GDL	CASE-193	9703	SRR	48	50	4
RL840	MR2502	GDL	TLS	GDL	CASE-193	9704	SRR	48	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9705	SRR	48	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9706	SRR	48	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9707	SRR	48	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9708	SRR	48	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9711	SRR	48	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9712	SRR	48	50	0
RL840	MR2504	GDL	TLS	GDL	CASE-193	9710	SRR	48	50	0
RL870	MR2510	GDL	TLS	GDL	CASE-193	9708	SBR	48	50	0
RL870	MR2510	GDL	TLS	GDL	CASE-193	9709	SBR	48	50	0
RL870	MR2510	GDL	TLS	GDL	CASE-193	9710	SBR	48	50	1
RL870	MR2510	GDL	TLS	GDL	CASE-193	9712	SBR	48	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9703	TS	48	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9704	TS	48	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9706	TS	48	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9707	TS	48	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9708	TS	48	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9709	TS	48	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9711	TS	48	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9712	TS	48	50	0
RL880	MR751	GDL	PHX	GDL	CASE-193	9712	FRR	48	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9702	UFRR	48	50	5
RL689	SR3980	GDL	PHX	GDL	CASE-193	9703	UFRR	48	50	4
RL689	SR3980	GDL	PHX	GDL	CASE-193	9704	UFRR	48	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9705	UFRR	48	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9706	UFRR	48	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9707	UFRR	48	50	0

AUTOCLAVE (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL689	SR3980	GDL	PHX	GDL	CASE-193	9708	UFRR	48	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9712	UFRR	48	50	0
RL689	SR4355	GDL	PHX	GDL	CASE-193	9709	UFRR	48	50	0
RL689	SR4355	GDL	PHX	GDL	CASE-193	9710	UFRR	48	50	0
RL689	SR4355	GDL	PHX	GDL	CASE-193	9711	UFRR	48	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9702	SBR	48	50	1
RL874	SR4373	GDL	TLS	GDL	CASE-193	9703	SBR	48	50	1
RL874	SR4373	GDL	TLS	GDL	CASE-193	9704	SBR	48	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9706	SBR	48	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9708	SBR	48	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9709	SBR	48	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9710	SBR	48	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9710	SBR	48	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9711	SBR	48	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9712	SBR	48	50	0
RL874	SR4461	GDL	PHX	GDL	CASE-193	9707	SBR	48	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-193	27	1248	7.08E+04	4	0.32%
1993	CASE-193	39	1893	1.03E+05	19	1.00%
1994	CASE-193	55	2670	1.35E+05	16	0.60%
1995	CASE-193	69	3340	2.50E+05	22	0.66%
1996	CASE-193	104	5238	2.64E+05	116	2.21%
P197	CASE-193	45	2250	1.08E+05	18	0.80%

HIGH HUMIDITY HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +85°C

STRESS: rh = 85%, V_R = 80%

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-193	6	270	4.54E+04	0	0.00%
1993	CASE-193	9	405	1.80E+05	0	0.00%
1994	CASE-193	16	720	1.21E+05	1	0.14%
1995	CASE-193	17	765	4.65E+05	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL840	MR2502	GDL	TLS	GDL	CASE-193	9702	SRR	120	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9703	SRR	120	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9704	SRR	120	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9705	SRR	120	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9706	SRR	120	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9707	SRR	120	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9708	SRR	120	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9711	SRR	120	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9712	SRR	120	50	0
RL840	MR2504	GDL	TLS	GDL	CASE-193	9710	SRR	120	50	0
RL870	MR2510	GDL	TLS	GDL	CASE-193	9708	SBR	120	50	0
RL870	MR2510	GDL	TLS	GDL	CASE-193	9709	SBR	120	50	0
RL870	MR2510	GDL	TLS	GDL	CASE-193	9710	SBR	120	50	0
RL870	MR2510	GDL	TLS	GDL	CASE-193	9712	SBR	120	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9703	TS	120	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9704	TS	120	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9706	TS	120	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9707	TS	120	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9708	TS	120	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9709	TS	120	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9711	TS	120	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9712	TS	120	50	0
RL880	MR751	GDL	PHX	GDL	CASE-193	9712	FRR	120	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9702	UFRR	120	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9703	UFRR	120	50	1

HIGH TEMPERATURE STORAGE LIFE (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL689	SR3980	GDL	PHX	GDL	CASE-193	9704	UFRR	120	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9705	UFRR	120	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9706	UFRR	120	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9707	UFRR	120	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9708	UFRR	120	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9712	UFRR	120	50	0
RL689	SR4355	GDL	PHX	GDL	CASE-193	9709	UFRR	120	50	0
RL689	SR4355	GDL	PHX	GDL	CASE-193	9710	UFRR	120	50	1
RL689	SR4355	GDL	PHX	GDL	CASE-193	9711	UFRR	120	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9702	SBR	120	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9703	SBR	120	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9704	SBR	120	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9706	SBR	120	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9708	SBR	120	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9709	SBR	120	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9710	SBR	120	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9710	SBR	120	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9711	SBR	120	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9712	SBR	120	50	0
RL874	SR4461	GDL	TLS	GDL	CASE-193	9707	SBR	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-193	16	800	1.20E+05	0	0.00%
1993	CASE-193	30	1500	3.44E+05	0	0.00%
1994	CASE-193	39	1950	2.72E+05	0	0.00%
1995	CASE-193	50	2500	4.89E+05	2	0.08%
1996	CASE-193	106	9020	1.02E+06	3	0.03%
P197	CASE-193	45	2250	2.70E+05	2	0.09%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +175°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	CASE-193	5	225	2.25E+05	1	0.44%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 100%, t_{on} = 15 SEC, t_{off} = 30 SEC

MIL-STD-750, Method 1037

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	CASE-193	1	50	5.00E+04	0	0.00%

LOW TEMPERATURE STORAGE LIFE

TEMPERATURE: -40°C

STRESS: NONE

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	CASE-193	3	135	9.76E+04	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL840	MR2502	GDL	TLS	GDL	CASE-193	9703	SRR	4	10	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9704	SRR	4	10	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9705	SRR	4	10	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9706	SRR	4	10	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9708	SRR	4	10	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9711	SRR	4	10	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9712	SRR	4	10	0
RL840	MR2504	GDL	TLS	GDL	CASE-193	9710	SRR	4	10	0
RL870	MR2510	GDL	TLS	GDL	CASE-193	9708	SBR	4	10	0

SOLDERABILITY (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL870	MR2510	GDL	TLS	GDL	CASE-193	9709	SBR	4	10	0
RL870	MR2510	GDL	TLS	GDL	CASE-193	9710	SBR	4	10	0
RL870	MR2510	GDL	TLS	GDL	CASE-193	9712	SBR	4	10	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9703	TS	4	10	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9704	TS	4	10	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9706	TS	4	10	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9708	TS	4	10	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9709	TS	4	10	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9711	TS	4	10	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9712	TS	4	10	0
RL880	MR751	GDL	PHX	GDL	CASE-193	9712	FRR	4	10	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9703	UFRR	4	10	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9704	UFRR	4	10	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9705	UFRR	4	10	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9706	UFRR	4	10	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9708	UFRR	4	10	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9712	UFRR	4	10	0
RL689	SR4355	GDL	PHX	GDL	CASE-193	9709	UFRR	4	10	0
RL689	SR4355	GDL	PHX	GDL	CASE-193	9710	UFRR	4	10	0
RL689	SR4355	GDL	PHX	GDL	CASE-193	9711	UFRR	4	10	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9703	SBR	4	10	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9704	SBR	4	10	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9706	SBR	4	10	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9708	SBR	4	10	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9709	SBR	4	10	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9710	SBR	4	10	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9710	SBR	4	10	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9711	SBR	4	10	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9712	SBR	4	10	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	CASE-193	24	240	N/A	0	0.00%
P197	CASE-193	38	380	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -40°C to +175°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1994	CASE-193	23	1660	1.56E+05	11	0.66%
1995	CASE-193	11	480	8.40E+04	1	0.21%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL840	MR2502	GDL	TLS	GDL	CASE-193	9702	SRR	100	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9703	SRR	100	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9704	SRR	100	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9705	SRR	100	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9706	SRR	100	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9707	SRR	100	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9708	SRR	100	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9711	SRR	100	50	0
RL840	MR2502	GDL	TLS	GDL	CASE-193	9712	SRR	100	50	0
RL840	MR2504	GDL	TLS	GDL	CASE-193	9710	SRR	100	50	0
RL870	MR2510	GDL	TLS	GDL	CASE-193	9708	SBR	100	50	0
RL870	MR2510	GDL	TLS	GDL	CASE-193	9709	SBR	100	50	0
RL870	MR2510	GDL	TLS	GDL	CASE-193	9710	SBR	100	50	0
RL870	MR2510	GDL	TLS	GDL	CASE-193	9712	SBR	100	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9703	TS	100	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9704	TS	100	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9706	TS	100	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9707	TS	100	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9708	TS	100	50	0

TEMPERATURE CYCLING (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL809	MR2535	GDL	PHX	GDL	CASE-193	9709	TS	100	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9711	TS	100	50	0
RL809	MR2535	GDL	PHX	GDL	CASE-193	9712	TS	100	50	0
RL880	MR751	GDL	PHX	GDL	CASE-193	9712	FRR	100	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9702	UFRR	100	50	1
RL689	SR3980	GDL	PHX	GDL	CASE-193	9703	UFRR	100	50	2
RL689	SR3980	GDL	PHX	GDL	CASE-193	9704	UFRR	100	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9705	UFRR	100	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9706	UFRR	100	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9707	UFRR	100	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9708	UFRR	100	50	0
RL689	SR3980	GDL	PHX	GDL	CASE-193	9712	UFRR	100	50	0
RL689	SR4355	GDL	PHX	GDL	CASE-193	9709	UFRR	100	50	0
RL689	SR4355	GDL	PHX	GDL	CASE-193	9710	UFRR	100	50	0
RL689	SR4355	GDL	PHX	GDL	CASE-193	9711	UFRR	100	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9702	SBR	100	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9703	SBR	100	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9704	SBR	100	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9706	SBR	100	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9708	SBR	100	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9709	SBR	100	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9710	SBR	100	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9710	SBR	100	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9711	SBR	100	50	0
RL874	SR4373	GDL	TLS	GDL	CASE-193	9712	SBR	100	50	0
RL874	SR4461	GDL	PHX	GDL	CASE-193	9707	SBR	100	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-193	18	885	1.22E+05	3	0.34%
1993	CASE-193	27	1328	3.02E+05	1	0.08%
1994	CASE-193	38	1895	2.30E+05	2	0.11%
1995	CASE-193	50	2500	4.45E+05	13	0.52%
1996	CASE-193	112	8950	9.10E+05	34	0.38%
P197	CASE-193	45	2250	2.25E+05	3	0.13%

CASE-194 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL621	MR2535	GDL	PHX	GDL	CASE-194	9707	TS	48	50	0
RL620M	MR2535L	GDL	PHX	GDL	CASE-194	9708	TS	48	50	0
RL621	MR2535L	GDL	PHX	GDL	CASE-194	9712	TS	48	50	0
RL601	MR750	GDL	TLS	GDL	CASE-194	9711	SRR	48	50	0
RL601M	MR751	GDL	TLS	GDL	CASE-194	9702	SRR	48	50	5
RL601	MR751	GDL	TLS	GDL	CASE-194	9704	SRR	48	50	5
RL601	MR752	GDL	TLS	GDL	CASE-194	9705	SRR	48	50	4
RL601	MR752	GDL	TLS	GDL	CASE-194	9707	SRR	48	50	0
RL601	MR754	GDL	TLS	GDL	CASE-194	9703	SRR	48	50	0
RL601	MR754	GDL	TLS	GDL	CASE-194	9710	SRR	48	50	5
RL601	MR756	GDL	TLS	GDL	CASE-194	9706	SRR	48	50	5
RL601M	SR2302KRL	GDL	TLS	GDL	CASE-194	9708	SRR	48	50	0
RL601	SR2512-13	GDL	TLS	GDL	CASE-194	9712	SRR	48	50	0
RL621	SR4110LRL	GDL	PHX	GDL	CASE-194	9710	TS	48	50	0
RL621	SR4116LRL	GDL	PHX	GDL	CASE-194	9703	TS	48	50	0
RL621	SR4116LRL	GDL	PHX	GDL	CASE-194	9705	TS	48	50	1
RL621	SR4116LRL	GDL	PHX	GDL	CASE-194	9706	TS	48	50	0
RL620	SR4183RL	GDL	PHX	GDL	CASE-194	9711	TS	48	50	0
RL621M	SR4410LRL	GDL	PHX	GDL	CASE-194	9702	TS	48	50	0
RL621	SR4410LRL	GDL	PHX	GDL	CASE-194	9709	TS	48	50	1
RL621	SR4416LF	GDL	PHX	GDL	CASE-194	9704	TS	48	50	0
RL602	SR4483RL	GDL	TLS	GDL	CASE-194	9709	SRR	48	50	2

AUTOCLAVE (continued)

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-194	73	3608	1.59E+05	101	2.80%
1993	CASE-194	87	4314	2.19E+05	215	4.98%
1994	CASE-194	118	5855	2.88E+05	203	3.47%
1995	CASE-194	104	5190	2.79E+05	171	3.29%
1996	CASE-194	77	3888	1.93E+05	163	4.19%
P197	CASE-194	22	1100	5.28E+04	28	2.55%

HIGH HUMIDITY HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +85°C

STRESS: rh = 85%, V_R = 80%

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	CASE-194	1	44	4.40E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL621	MR2535	GDL	PHX	GDL	CASE-194	9707	TS	120	50	0
RL620M	MR2535L	GDL	PHX	GDL	CASE-194	9708	TS	120	50	0
RL621	MR2535L	GDL	PHX	GDL	CASE-194	9712	TS	120	50	0
RL601	MR750	GDL	TLS	GDL	CASE-194	9711	SRR	120	50	0
RL601M	MR751	GDL	TLS	GDL	CASE-194	9702	SRR	120	50	0
RL601	MR751	GDL	TLS	GDL	CASE-194	9704	SRR	120	50	0
RL601	MR752	GDL	TLS	GDL	CASE-194	9705	SRR	120	50	0
RL601	MR752	GDL	TLS	GDL	CASE-194	9707	SRR	120	50	0
RL601	MR754	GDL	TLS	GDL	CASE-194	9703	SRR	120	50	0
RL601	MR754	GDL	TLS	GDL	CASE-194	9710	SRR	120	50	0
RL601	MR756	GDL	TLS	GDL	CASE-194	9706	SRR	120	50	0
RL601M	SR2302KRL	GDL	TLS	GDL	CASE-194	9708	SRR	120	50	0
RL601	SR2512-13	GDL	TLS	GDL	CASE-194	9712	SRR	120	50	0
RL621	SR4110LRL	GDL	PHX	GDL	CASE-194	9710	TS	120	50	0
RL621	SR4116LRL	GDL	PHX	GDL	CASE-194	9703	TS	120	50	0
RL621	SR4116LRL	GDL	PHX	GDL	CASE-194	9705	TS	120	50	0
RL621	SR4116LRL	GDL	PHX	GDL	CASE-194	9706	TS	120	50	0
RL620	SR4183RL	GDL	PHX	GDL	CASE-194	9711	TS	120	50	0
RL621M	SR4410LRL	GDL	PHX	GDL	CASE-194	9702	TS	120	50	1
RL621	SR4410LRL	GDL	PHX	GDL	CASE-194	9709	TS	120	50	0
RL621	SR4416LF	GDL	PHX	GDL	CASE-194	9704	TS	120	50	0
RL602	SR4483RL	GDL	TLS	GDL	CASE-194	9709	SRR	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-194	69	3432	5.55E+05	1	0.03%
1993	CASE-194	85	4247	6.92E+05	10	0.24%
1994	CASE-194	108	5400	6.86E+05	14	0.26%
1995	CASE-194	112	5570	1.17E+06	1	0.02%
1996	CASE-194	78	7370	6.77E+05	6	0.08%
P197	CASE-194	22	1100	1.32E+05	1	0.09%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 3.0 WATTS, DELTA TC = 90°C

MIL-STD-750, Method 1037

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL621	MR2535	GDL	PHX	GDL	CASE-194	9707	TS	1000	50	0
RL620M	MR2535L	GDL	PHX	GDL	CASE-194	9708	TS	1000	50	0
RL601	MR750	GDL	TLS	GDL	CASE-194	9711	SRR	1000	50	0
RL601M	MR751	GDL	TLS	GDL	CASE-194	9702	SRR	1000	50	0
RL601	MR751	GDL	TLS	GDL	CASE-194	9704	SRR	1000	50	0
RL601	MR752	GDL	TLS	GDL	CASE-194	9705	SRR	1000	50	0
RL601	MR752	GDL	TLS	GDL	CASE-194	9707	SRR	1000	50	0
RL601	MR754	GDL	TLS	GDL	CASE-194	9703	SRR	1000	50	0
RL601	MR754	GDL	TLS	GDL	CASE-194	9710	SRR	1000	50	0
RL601	MR756	GDL	TLS	GDL	CASE-194	9706	SRR	1000	50	0

INTERMITTENT OPERATING LIFE (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL601M	SR2302KRL	GDL	TLS	GDL	CASE-194	9708	SRR	1000	50	0
RL601	SR2512-13	GDL	TLS	GDL	CASE-194	9712	SRR	1000	50	0
RL621	SR4110LRL	GDL	PHX	GDL	CASE-194	9710	TS	1000	50	0
RL621	SR4116LRL	GDL	PHX	GDL	CASE-194	9706	TS	1000	50	0
RL620	SR4183RL	GDL	PHX	GDL	CASE-194	9711	TS	1000	50	0
RL621	SR4410LRL	GDL	PHX	GDL	CASE-194	9709	TS	1000	50	0
RL602	SR4483RL	GDL	TLS	GDL	CASE-194	9709	SRR	1000	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1994	CASE-194	13	650	6.50E+05	2	0.31%
1995	CASE-194	13	650	6.50E+05	0	0.00%
1996	CASE-194	16	800	8.00E+05	0	0.00%
P197	CASE-194	17	850	8.50E+05	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-194	72	720	N/A	0	0.00%
1993	CASE-194	80	800	N/A	0	0.00%
1994	CASE-194	115	1390	N/A	0	0.00%
1995	CASE-194	70	700	N/A	0	0.00%
1996	CASE-194	44	420	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL621	MR2535	GDL	PHX	GDL	CASE-194	9707	TS	100	50	0
RL620M	MR2535L	GDL	PHX	GDL	CASE-194	9708	TS	100	50	0
RL621	MR2535L	GDL	PHX	GDL	CASE-194	9712	TS	100	50	0
RL601	MR750	GDL	TLS	GDL	CASE-194	9711	SRR	100	50	0
RL601M	MR751	GDL	TLS	GDL	CASE-194	9702	SRR	100	50	1
RL601	MR751	GDL	TLS	GDL	CASE-194	9704	SRR	100	50	0
RL601	MR752	GDL	TLS	GDL	CASE-194	9705	SRR	100	50	1
RL601	MR752	GDL	TLS	GDL	CASE-194	9707	SRR	100	50	1
RL601	MR754	GDL	TLS	GDL	CASE-194	9710	SRR	100	50	1
RL601	MR756	GDL	TLS	GDL	CASE-194	9706	SRR	100	50	2
RL601M	SR2302KRL	GDL	TLS	GDL	CASE-194	9708	SRR	100	50	0
RL601	SR2512-13	GDL	TLS	GDL	CASE-194	9712	SRR	100	50	0
RL621	SR4110LRL	GDL	PHX	GDL	CASE-194	9710	TS	100	50	0
RL621	SR4116LRL	GDL	PHX	GDL	CASE-194	9703	TS	100	50	0
RL621	SR4116LRL	GDL	PHX	GDL	CASE-194	9705	TS	100	50	0
RL621	SR4116LRL	GDL	PHX	GDL	CASE-194	9706	TS	100	50	0
RL620	SR4183RL	GDL	PHX	GDL	CASE-194	9711	TS	100	50	0
RL621M	SR4410LRL	GDL	PHX	GDL	CASE-194	9702	TS	100	50	0
RL621	SR4410LRL	GDL	PHX	GDL	CASE-194	9709	TS	100	50	0
RL621	SR4416LF	GDL	PHX	GDL	CASE-194	9704	TS	100	50	0
RL602	SR4483RL	GDL	TLS	GDL	CASE-194	9709	SRR	100	50	2

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-194	80	3983	3.91E+05	5	0.13%
1993	CASE-194	77	3838	6.18E+05	5	0.13%
1994	CASE-194	108	5395	5.80E+05	7	0.13%
1995	CASE-194	112	5574	1.06E+06	20	0.36%
1996	CASE-194	80	6000	5.70E+05	20	0.33%
P197	CASE-194	21	1050	1.05E+05	8	0.76%

CASE-195 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-195	5	250	9.60E+03	0	0.00%
1993	CASE-195	12	600	3.36E+04	0	0.00%
1994	CASE-195	22	1100	5.52E+04	0	0.00%
1995	CASE-195	1	50	2.40E+03	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-195	6	300	4.08E+04	0	0.00%
1993	CASE-195	13	650	1.60E+05	0	0.00%
1994	CASE-195	23	1150	1.38E+05	0	0.00%
1995	CASE-195	1	50	6.00E+03	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-195	3	30	N/A	0	0.00%
1993	CASE-195	10	100	N/A	0	0.00%
1994	CASE-195	22	260	N/A	0	0.00%
1995	CASE-195	1	10	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-195	7	350	3.20E+04	0	0.00%
1993	CASE-195	12	596	1.41E+05	6	1.01%
1994	CASE-195	22	1100	1.30E+05	0	0.00%
1995	CASE-195	1	50	5.00E+03	0	0.00%

CASE-267 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL755	1N5821	GDL	PHX	GDL	CASE-267	9709	SBR	48	50	0
RL755	1N5821	GDL	PHX	GDL	CASE-267	9710	SBR	48	50	0
RL765A	MBR360	GDL	PHX	GDL	CASE-267	9706	SBR	48	50	0
RL765	MBR360	GDL	PHX	GDL	CASE-267	9711	SBR	48	50	0
RL580B	MR856	LITEON	PHX	LITEON	CASE-267	9703	FRR	8	80	0
RL580B	MR856	LITEON	PHX	LITEON	CASE-267	9707	FRR	8	80	0
RL580B	MR856	LITEON	PHX	LITEON	CASE-267	9711	FRR	8	80	0
RL580B	MR856	LITEON	PHX	LITEON	CASE-267	9715	FRR	8	80	0
RL537	MUR410	GDL	PHX	GDL	CASE-267	9708	UFRR	96	50	0
RL537	MUR410	GDL	PHX	GDL	CASE-267	9708	UFRR	48	50	1
RL538	MUR440	GDL	PHX	GDL	CASE-267	9703	UFRR	48	50	0

AUTOCLAVE (continued)

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-267	43	2014	8.55E+04	33	1.64%
1993	CASE-267	47	2296	1.11E+05	2	0.09%
1994	CASE-267	54	2646	1.27E+05	8	0.30%
1995	CASE-267	33	1710	8.53E+04	2	0.12%
1996	CASE-267	48	2943	9.94E+04	4	0.14%
P197	CASE-267	11	670	2.18E+04	1	0.15%

HIGH HUMIDITY HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +85°C

STRESS: rh = 85%, V_R = 100%

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL755	1N5821	GDL	PHX	GDL	CASE-267	9709	SBR	120	50	0
RL755	1N5821	GDL	PHX	GDL	CASE-267	9710	SBR	120	50	0
RL765	MBR360	GDL	PHX	GDL	CASE-267	9711	SBR	120	50	0
RL537	MUR410	GDL	PHX	GDL	CASE-267	9708	UFRR	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	CASE-267	1	45	7.56E+03	0	0.00%
P197	CASE-267	4	200	2.40E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL755	1N5821	GDL	PHX	GDL	CASE-267	9709	SBR	120	50	0
RL755	1N5821	GDL	PHX	GDL	CASE-267	9710	SBR	120	50	0
RL765A	MBR360	GDL	PHX	GDL	CASE-267	9706	SBR	120	50	0
RL765	MBR360	GDL	PHX	GDL	CASE-267	9711	SBR	120	50	0
RL580B	MR856	LITEON	PHX	LITEON	CASE-267	9703	FRR	168	100	0
RL580B	MR856	LITEON	PHX	LITEON	CASE-267	9707	FRR	168	100	0
RL580B	MR856	LITEON	PHX	LITEON	CASE-267	9711	FRR	168	100	0
RL580B	MR856	LITEON	PHX	LITEON	CASE-267	9715	FRR	168	100	0
RL537	MUR410	GDL	PHX	GDL	CASE-267	9708	UFRR	1000	50	0
RL537	MUR410	GDL	PHX	GDL	CASE-267	9708	UFRR	120	50	0
RL537	MUR410	GDL	PHX	GDL	CASE-267	9708	UFRR	168	50	0
RL538	MUR440	GDL	PHX	GDL	CASE-267	9703	UFRR	120	39	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-267	34	1681	3.06E+05	0	0.00%
1993	CASE-267	45	2300	3.84E+05	2	0.09%
1994	CASE-267	49	2432	3.11E+05	1	0.04%
1995	CASE-267	30	1593	3.90E+05	0	0.00%
1996	CASE-267	48	5935	5.99E+05	1	0.02%
P197	CASE-267	12	789	1.60E+05	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +175°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	CASE-267	6	300	1.88E+04	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 100%, t_{on} = 15 MIN, t_{off} = 30 MIN

MIL-STD-750, Method 1037

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-267	4	100	1.00E+06	0	0.00%
1993	CASE-267	2	25	2.50E+05	0	0.00%
1994	CASE-267	9	382	1.12E+06	1	0.26%
1995	CASE-267	6	300	3.00E+05	0	0.00%
1996	CASE-267	1	45	4.50E+04	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL755	1N5821	GDL	PHX	GDL	CASE-267	9709	SBR	4	10	0
RL755	1N5821	GDL	PHX	GDL	CASE-267	9710	SBR	4	10	0
RL765A	MBR360	GDL	PHX	GDL	CASE-267	9706	SBR	4	10	0
RL765	MBR360	GDL	PHX	GDL	CASE-267	9711	SBR	4	10	0
RL537	MUR410	GDL	PHX	GDL	CASE-267	9708	UFRR	4	10	0
RL538	MUR440	GDL	PHX	GDL	CASE-267	9703	UFRR	4	10	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-267	21	210	N/A	0	0.00%
1993	CASE-267	38	380	N/A	0	0.00%
1994	CASE-267	52	600	N/A	0	0.00%
1995	CASE-267	23	230	N/A	0	0.00%
1996	CASE-267	21	180	N/A	0	0.00%
P197	CASE-267	6	60	N/A	0	0.00%

SOLDER HEAT

TEMPERATURE: +260°C

STRESS: 10 SECOND DIP

MIL-STD-750, Method 2031

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	CASE-267	1	45	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL755	1N5821	GDL	PHX	GDL	CASE-267	9709	SBR	100	50	0
RL755	1N5821	GDL	PHX	GDL	CASE-267	9710	SBR	100	50	0
RL765A	MBR360	GDL	PHX	GDL	CASE-267	9706	SBR	100	50	0
RL765	MBR360	GDL	PHX	GDL	CASE-267	9711	SBR	100	50	0
RL537	MUR410	GDL	PHX	GDL	CASE-267	9708	UFRR	1000	50	0
RL537	MUR410	GDL	PHX	GDL	CASE-267	9708	UFRR	500	50	0
RL537	MUR410	GDL	PHX	GDL	CASE-267	9708	UFRR	100	50	0
RL538	MUR440	GDL	PHX	GDL	CASE-267	9703	UFRR	100	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-267	42	2007	1.89E+05	7	0.35%
1993	CASE-267	42	2064	3.56E+05	3	0.15%
1994	CASE-267	53	2596	2.80E+05	0	0.00%
1995	CASE-267	36	1800	4.40E+05	1	0.06%
1996	CASE-267	44	4890	3.89E+05	0	0.00%
P197	CASE-267	8	400	1.05E+05	0	0.00%

THERMAL SHOCK

TEMPERATURE: -65°C to +150°C

STRESS: LIQUID, ≥ 5 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	CASE-267	1	45	4.50E+02	0	0.00%

CASE-339 — PLASTIC**AUTOCLAVE**

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	CASE-339	1	48	2.40E+03	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	CASE-339	1	4	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR $\geq$ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	CASE-339	1	100	5.00E+03	0	0.00%

CASE-357 — PLASTIC**AUTOCLAVE**

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLP763	MBR20030CTL	GDL	GDL	GDL	CASE-357	9706	SBR	48	50	0
RLP763	MBRP20030CT	GDL	GDL	GDL	CASE-357	9710	SBR	48	50	0
RLP763	MBRP20030CTL	GDL	GDL	GDL	CASE-357	9706	SBR	48	50	0
RLP764	MBRP30045CT	GDL	GDL	GDL	CASE-357	9706	SBR	48	50	0
RLP764	MBRP30045CT	GDL	GDL	GDL	CASE-357	9706	SBR	48	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-357	13	110	5.16E+03	0	0.00%
1993	CASE-357	4	20	9.60E+02	0	0.00%
1994	CASE-357	3	15	7.20E+01	0	0.00%
1995	CASE-357	2	100	4.80E+03	0	0.00%
1996	CASE-357	2	53	4.80E+02	0	0.00%
P197	CASE-357	5	250	1.20E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLP763	MBR20030CTL	GDL	GDL	GDL	CASE-357	9706	SBR	120	50	0
RLP763	MBRP20030CT	GDL	GDL	GDL	CASE-357	9710	SBR	120	50	0
RLP763	MBRP20030CTL	GDL	GDL	GDL	CASE-357	9706	SBR	120	50	0
RLP764	MBRP30045CT	GDL	GDL	GDL	CASE-357	9706	SBR	120	50	0
RLP764	MBRP30045CT	GDL	GDL	GDL	CASE-357	9706	SBR	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-357	15	120	2.09E+04	0	0.00%
1993	CASE-357	1	5	6.00E+02	0	0.00%
1994	CASE-357	3	15	1.80E+03	0	0.00%
1995	CASE-357	2	100	1.20E+04	0	0.00%
1996	CASE-357	3	290	1.26E+04	5	1.72%
P197	CASE-357	5	250	3.00E+04	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR $\geq$ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLP763	MBR20030CTL	GDL	GDL	GDL	CASE-357	9706	SBR	100	50	0
RLP763	MBRP20030CT	GDL	GDL	GDL	CASE-357	9710	SBR	100	50	0
RLP763	MBRP20030CTL	GDL	GDL	GDL	CASE-357	9706	SBR	100	50	0
RLP764	MBRP30045CT	GDL	GDL	GDL	CASE-357	9706	SBR	100	50	0
RLP764	MBRP30045CT	GDL	GDL	GDL	CASE-357	9706	SBR	100	50	0

TEMPERATURE CYCLING (continued)

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-357	16	170	2.61E+04	1	0.59%
1993	CASE-357	3	15	1.50E+03	0	0.00%
1994	CASE-357	3	15	1.50E+03	0	0.00%
1995	CASE-357	2	100	1.00E+04	0	0.00%
1996	CASE-357	2	105	5.50E+03	0	0.00%
P197	CASE-357	5	250	2.50E+04	0	0.00%

CASE-408 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL652C	SR4468	GDL	PHX	GDL	CASE-408	9705	SRR	48	45	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9703	SRR	48	45	0
RL506C	SR4477	GDL	PHX	GDL	CASE-408	9704	SRR	48	45	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9705	SRR	48	45	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9707	SRR	48	45	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9708	SRR	48	45	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9703	SRR	48	45	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9706	SRR	48	45	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9707	SRR	48	45	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9708	SRR	48	45	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9703	SRR	48	45	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9704	SRR	48	45	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9705	SRR	48	45	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9706	SRR	48	45	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9708	SRR	48	45	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9703	SRR	48	45	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9704	SRR	48	45	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9706	SRR	48	45	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9707	SRR	48	45	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9708	SRR	48	45	0
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9703	SRR	48	45	0
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9705	SRR	48	45	0
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9706	SRR	48	45	0
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9707	SRR	48	45	0
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9708	SRR	48	45	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9703	SRR	48	45	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9705	SRR	48	45	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9706	SRR	48	45	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9707	SRR	48	45	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9708	SRR	48	45	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-408	45	2070	9.43E+04	10	0.48%
1993	CASE-408	50	2250	1.10E+05	8	0.36%
1994	CASE-408	153	6859	3.38E+05	34	0.50%
1995	CASE-408	258	11621	6.22E+05	45	0.39%
1996	CASE-408	259	12150	5.73E+05	5	0.04%
P197	CASE-408	30	1350	6.48E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	CASE-408	1	50	6.00E+03	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 100%, t_{on} = 15 MIN, t_{off} = 30 MIN

MIL-STD-750, Method 1037

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	CASE-408	1	9	9.00E+03	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL652C	SR4468	GDL	PHX	GDL	CASE-408	9705	SRR	4	10	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9703	SRR	4	10	0
RL506C	SR4477	GDL	PHX	GDL	CASE-408	9704	SRR	4	10	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9705	SRR	4	10	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9707	SRR	4	10	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9708	SRR	4	10	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9703	SRR	4	10	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9706	SRR	4	10	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9707	SRR	4	10	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9708	SRR	4	10	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9703	SRR	4	10	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9704	SRR	4	10	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9705	SRR	4	10	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9706	SRR	4	10	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9708	SRR	4	10	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9703	SRR	4	10	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9704	SRR	4	10	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9706	SRR	4	10	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9707	SRR	4	10	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9708	SRR	4	10	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-408	45	490	N/A	0	0.00%
1993	CASE-408	43	430	N/A	0	0.00%
1994	CASE-408	159	1590	N/A	0	0.00%
1995	CASE-408	216	2170	N/A	2	0.09%
1996	CASE-408	125	1046	N/A	0	0.00%
P197	CASE-408	20	200	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL652C	SR4468	GDL	PHX	GDL	CASE-408	9705	SRR	100	45	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9703	SRR	100	45	0
RL506C	SR4477	GDL	PHX	GDL	CASE-408	9704	SRR	100	45	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9705	SRR	100	45	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9707	SRR	100	45	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9708	SRR	100	45	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9703	SRR	100	45	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9704	SRR	100	45	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9706	SRR	100	45	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9707	SRR	100	45	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9708	SRR	100	45	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9703	SRR	100	45	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9704	SRR	100	45	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9705	SRR	100	50	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9706	SRR	100	45	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9708	SRR	100	45	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9703	SRR	100	45	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9704	SRR	100	45	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9706	SRR	100	45	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9707	SRR	100	45	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9708	SRR	100	45	0
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9703	SRR	100	45	0
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9705	SRR	100	45	0

TEMPERATURE CYCLING (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9706	SRR	100	45	0
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9707	SRR	100	45	0
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9708	SRR	100	45	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9703	SRR	100	45	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9705	SRR	100	45	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9706	SRR	100	45	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9707	SRR	100	45	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9708	SRR	100	45	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS		PERCENT OF RESULTS		
1992	CASE-408	42	1940	1.79E+05		1		0.05%		
1993	CASE-408	45	2225	2.23E+05		0		0.00%		
1994	CASE-408	155	7110	8.28E+05		1		0.01%		
1995	CASE-408	276	12385	2.80E+06		0		0.00%		
1996	CASE-408	262	22355	1.43E+06		1		0.00%		
P197	CASE-408	31	1400	1.40E+05		0		0.00%		

WATER IMMERSION

TEMPERATURE: 25°C

STRESS: PA=75 psi, 1 hour dry

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL652C	SR4468	GDL	PHX	GDL	CASE-408	9705	SRR	4	20	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9703	SRR	4	20	0
RL506C	SR4477	GDL	PHX	GDL	CASE-408	9704	SRR	4	20	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9705	SRR	4	20	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9707	SRR	4	20	0
RL605A	SR4477	GDL	PHX	GDL	CASE-408	9708	SRR	4	20	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9703	SRR	4	20	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9706	SRR	4	20	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9707	SRR	4	20	0
RL605A	SR4477R	GDL	PHX	GDL	CASE-408	9708	SRR	4	20	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9703	SRR	4	20	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9704	SRR	4	20	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9705	SRR	4	20	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9706	SRR	4	20	0
RL652C	SR4478	GDL	PHX	GDL	CASE-408	9708	SRR	4	20	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9703	SRR	4	20	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9704	SRR	4	20	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9706	SRR	4	20	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9707	SRR	4	20	0
RL652A	SR4478R	GDL	PHX	GDL	CASE-408	9708	SRR	4	20	0
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9703	SRR	4	20	0
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9705	SRR	4	20	0
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9706	SRR	4	20	0
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9707	SRR	4	20	0
RL676A	SR4482	GDL	PHX	GDL	CASE-408	9708	SRR	4	20	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9703	SRR	4	20	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9705	SRR	4	20	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9706	SRR	4	20	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9707	SRR	4	20	0
RL676A	SR4482R	GDL	PHX	GDL	CASE-408	9708	SRR	4	20	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS		PERCENT OF RESULTS		
1992	CASE-408	41	880	N/A		0		0.00%		
1993	CASE-408	43	860	N/A		0		0.00%		
1994	CASE-408	126	2520	N/A		0		0.00%		
1995	CASE-408	206	4105	N/A		0		0.00%		
1996	CASE-408	163	1980	N/A		0		0.00%		
P197	CASE-408	30	600	N/A		0		0.00%		

CASE-421 — PLASTIC

TEMPERATURE CYCLING

TEMPERATURE: -40°C to +175°C

STRESS: AIR $\geq$ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	CASE-421	1	45	4.50E+03	0	0.00%

SMB — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLL766S	MBRS11W73	SBN	PHX	SBN	SMB	9710	SBR	96	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9702	SBR	96	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9708	SBR	96	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9712	SBR	96	50	0
RLL517S	MURS115T3	SBN	PHX	SBN	SMB	9643	UFRR	96	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9631	UFRR	96	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9652	UFRR	96	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9706	UFRR	96	50	0
RLL518S	MURS160T3	SBN	PHX	SBN	SMB	9648	UFRR	96	50	0
RLL756M	SBRS230LT3	SBN	PHX	SBN	SMB	9704	SBR	96	50	0
RLL756M	SBRS230LT3	SBN	PHX	SBN	SMB	9713	SBR	96	50	0
RLL754S	SBRS5598T3	SBN	PHX	SBN	SMB	9711	SBR	96	50	0
RLL754S	SBRS5641T3	SBN	PHX	SBN	SMB	9646	SBR	96	50	0
RLL754S	SBRS5645T3	SBN	PHX	SBN	SMB	9650	SBR	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	SMB	24	1080	1.04E+05	0	0.00%
1993	SMB	57	2626	2.52E+05	0	0.00%
1994	SMB	62	3262	3.13E+05	0	0.00%
1995	SMB	28	1568	1.51E+05	0	0.00%
1996	SMB	48	2564	2.65E+05	0	0.00%
P197	SMB	14	700	6.72E+04	0	0.00%

HIGH HUMIDITY HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +85°C

STRESS: rh = 85%, V_R = 80%

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	SMB	7	344	5.78E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLL766S	MBRS11W73	SBN	PHX	SBN	SMB	9710	SBR	168	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9702	SBR	168	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9708	SBR	168	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9712	SBR	168	50	0
RLL517S	MURS115T3	SBN	PHX	SBN	SMB	9643	UFRR	168	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9631	UFRR	168	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9652	UFRR	168	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9706	UFRR	168	50	0
RLL518S	MURS160T3	SBN	PHX	SBN	SMB	9648	UFRR	168	50	0
RLL756M	SBRS230LT3	SBN	PHX	SBN	SMB	9704	SBR	168	50	0
RLL756M	SBRS230LT3	SBN	PHX	SBN	SMB	9713	SBR	168	50	0
RLL754S	SBRS5598T3	SBN	PHX	SBN	SMB	9711	SBR	168	50	0
RLL754S	SBRS5641T3	SBN	PHX	SBN	SMB	9646	SBR	168	50	0
RLL754S	SBRS5645T3	SBN	PHX	SBN	SMB	9650	SBR	168	50	0

HIGH TEMPERATURE STORAGE LIFE (continued)

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	SMB	24	1080	1.81E+05	0	0.00%
1993	SMB	47	2209	4.09E+05	0	0.00%
1994	SMB	54	2866	5.19E+05	0	0.00%
1995	SMB	28	1568	2.63E+05	0	0.00%
1996	SMB	48	2564	4.31E+05	0	0.00%
P197	SMB	14	700	1.18E+05	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: $P_D = 100\%$, $t_{on} = 15$ MIN, $t_{off} = 30$ MIN

MIL-STD-750, Method 1037

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLL766S	MBRS11W73	SBN	PHX	SBN	SMB	9710	SBR	1000	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9702	SBR	1000	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9708	SBR	1000	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9712	SBR	1000	50	0
RLL517S	MURS115T3	SBN	PHX	SBN	SMB	9643	UFRR	1000	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9631	UFRR	1000	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9652	UFRR	1000	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9706	UFRR	1000	50	0
RLL518S	MURS160T3	SBN	PHX	SBN	SMB	9648	UFRR	1000	50	0
RLL756M	SBRS230LT3	SBN	PHX	SBN	SMB	9704	SBR	1000	50	0
RLL756M	SBRS230LT3	SBN	PHX	SBN	SMB	9713	SBR	1000	50	0
RLL754S	SBRS5598T3	SBN	PHX	SBN	SMB	9711	SBR	1000	50	0
RLL754S	SBRS5641T3	SBN	PHX	SBN	SMB	9646	SBR	1000	50	0
RLL754S	SBRS5645T3	SBN	PHX	SBN	SMB	9650	SBR	1000	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1993	SMB	22	783	7.52E+04	0	0.00%
1994	SMB	49	2354	2.26E+05	0	0.00%
1995	SMB	17	952	9.14E+04	0	0.00%
1996	SMB	28	1498	3.84E+05	0	0.00%
P197	SMB	14	700	7.00E+05	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLL766S	MBRS11W73	SBN	PHX	SBN	SMB	9710	SBR	8	22	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9702	SBR	8	22	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9708	SBR	8	22	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9712	SBR	8	22	0
RLL517S	MURS115T3	SBN	PHX	SBN	SMB	9643	UFRR	8	22	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9631	UFRR	8	22	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9652	UFRR	8	22	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9706	UFRR	8	22	0
RLL518S	MURS160T3	SBN	PHX	SBN	SMB	9648	UFRR	8	22	0
RLL756M	SBRS230LT3	SBN	PHX	SBN	SMB	9704	SBR	8	22	0
RLL756M	SBRS230LT3	SBN	PHX	SBN	SMB	9713	SBR	8	22	0
RLL754S	SBRS5598T3	SBN	PHX	SBN	SMB	9711	SBR	8	22	0
RLL754S	SBRS5641T3	SBN	PHX	SBN	SMB	9646	SBR	8	22	0
RLL754S	SBRS5645T3	SBN	PHX	SBN	SMB	9650	SBR	8	22	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	SMB	21	462	N/A	0	0.00%
1993	SMB	47	1034	N/A	0	0.00%
1994	SMB	53	1166	N/A	0	0.00%
1995	SMB	28	616	N/A	0	0.00%
1996	SMB	36	792	N/A	0	0.00%
P197	SMB	14	308	N/A	0	0.00%

SOLDER HEAT

TEMPERATURE: +260°C

STRESS: 10 SECOND DIP

MIL-STD-750, Method 2031

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLL766S	MBRS11W73	SBN	PHX	SBN	SMB	9710	SBR	1	22	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9702	SBR	1	22	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9708	SBR	1	22	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9712	SBR	1	22	0
RLL517S	MURS115T3	SBN	PHX	SBN	SMB	9643	UFRR	1	22	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9631	UFRR	1	22	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9652	UFRR	1	22	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9706	UFRR	1	22	0
RLL518S	MURS160T3	SBN	PHX	SBN	SMB	9648	UFRR	1	22	0
RLL756M	SBRS230LT3	SBN	PHX	SBN	SMB	9704	SBR	1	22	0
RLL756M	SBRS230LT3	SBN	PHX	SBN	SMB	9713	SBR	1	22	0
RLL754S	SBRS5598T3	SBN	PHX	SBN	SMB	9711	SBR	1	22	0
RLL754S	SBRS5641T3	SBN	PHX	SBN	SMB	9646	SBR	1	22	0
RLL754S	SBRS5645T3	SBN	PHX	SBN	SMB	9650	SBR	1	22	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	SMB	23	503	N/A	0	0.00%
1993	SMB	48	1055	N/A	0	0.00%
1994	SMB	53	1166	N/A	0	0.00%
1995	SMB	28	616	N/A	0	0.00%
1996	SMB	48	1190	N/A	0	0.00%
P197	SMB	14	308	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR $\geq$ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLL766S	MBRS11W73	SBN	PHX	SBN	SMB	9710	SBR	200	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9702	SBR	200	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9708	SBR	200	50	0
RLL756S	MBRS130LT3	SBN	PHX	SBN	SMB	9712	SBR	200	50	0
RLL517S	MURS115T3	SBN	PHX	SBN	SMB	9643	UFRR	200	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9631	UFRR	200	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9652	UFRR	200	50	0
RLL517S	MURS120T3	SBN	PHX	SBN	SMB	9706	UFRR	200	50	0
RLL518S	MURS160T3	SBN	PHX	SBN	SMB	9648	UFRR	200	50	0
RLL756M	SBRS230LT3	SBN	PHX	SBN	SMB	9704	SBR	200	50	0
RLL756M	SBRS230LT3	SBN	PHX	SBN	SMB	9713	SBR	200	50	0
RLL754S	SBRS5598T3	SBN	PHX	SBN	SMB	9711	SBR	200	50	0
RLL754S	SBRS5641T3	SBN	PHX	SBN	SMB	9646	SBR	200	50	0
RLL754S	SBRS5645T3	SBN	PHX	SBN	SMB	9650	SBR	200	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	SMB	24	1078	2.16E+05	0	0.00%
1993	SMB	57	2691	5.74E+05	0	0.00%
1994	SMB	54	2866	6.09E+05	0	0.00%
1995	SMB	28	1556	3.11E+05	0	0.00%
1996	SMB	42	2298	4.60E+05	0	0.00%
P197	SMB	14	700	1.40E+05	0	0.00%

THERMAL SHOCK

TEMPERATURE: 0°C to +150°C

STRESS: LIQUID, $\geq$ 5 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	SMB	6	266	2.66E+03	0	0.00%

THERMAL SHOCK

TEMPERATURE: -65°C to +150°C

STRESS: LIQUID, $\geq$ 5 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	SMB	8	360	7.20E+04	0	0.00%
1993	SMB	10	424	8.48E+04	1	0.24%
1994	SMB	6	308	6.16E+04	0	0.00%
1995	SMB	21	1176	2.35E+05	0	0.00%
1996	SMB	22	1208	2.42E+05	0	0.00%

SMC — PLASTIC**AUTOCLAVE**

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLL755S	MBR340T3	SBN	PHX	SBN	SMC	9642	SBR	96	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9648	SBR	96	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9651	SBR	96	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9705	SBR	96	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9706	SBR	96	50	0
RLL537S	MURS320T3	SBN	PHX	SBN	SMC	9649	UFRR	96	50	0
RLL537S	MURS320T3	SBN	PHX	SBN	SMC	9702	UFRR	96	50	0
RLL755S	SBRS559773	SBN	PHX	SBN	SMC	9708	SBR	96	50	0
RLL755S	SBRS5597T3	SBN	PHX	SBN	SMC	9710	SBR	96	50	0
RLL517S	SURS283T3	SBN	PHX	SBN	SMC	9701	UFRR	96	50	0
RLL537S	SURS283T3003	SBN	PHX	SBN	SMC	9712	UFRR	96	50	0
RLL537S	SURS5648T3	SBN	PHX	SBN	SMC	9647	UFRR	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	SMC	5	225	2.16E+04	0	0.00%
1993	SMC	15	707	6.79E+04	0	0.00%
1994	SMC	11	602	5.78E+04	0	0.00%
1995	SMC	10	560	5.38E+04	0	0.00%
1996	SMC	35	1888	1.81E+05	0	0.00%
P197	SMC	12	600	5.76E+04	0	0.00%

HIGH HUMIDITY HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +85°C

STRESS: rh = 85%, V_R = 80%

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1994	SMC	5	280	4.70E+04	0	0.00%
1995	SMC	1	56	9.41E+03	0	0.00%
1996	SMC	4	224	3.76E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLL755S	MBR340T3	SBN	PHX	SBN	SMC	9642	SBR	168	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9648	SBR	168	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9651	SBR	168	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9705	SBR	168	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9706	SBR	168	50	0
RLL537S	MURS320T3	SBN	PHX	SBN	SMC	9649	UFRR	168	50	0
RLL537S	MURS320T3	SBN	PHX	SBN	SMC	9702	UFRR	168	50	0
RLL755S	SBRS559773	SBN	PHX	SBN	SMC	9708	SBR	168	50	0
RLL755S	SBRS5597T3	SBN	PHX	SBN	SMC	9710	SBR	168	50	0
RLL517S	SURS283T3	SBN	PHX	SBN	SMC	9701	UFRR	168	50	0
RLL537S	SURS283T3003	SBN	PHX	SBN	SMC	9712	UFRR	168	50	0
RLL537S	SURS5648T3	SBN	PHX	SBN	SMC	9647	UFRR	168	50	0

HIGH TEMPERATURE STORAGE LIFE (continued)

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	SMC	5	225	3.78E+04	0	0.00%
1993	SMC	13	601	1.01E+05	0	0.00%
1994	SMC	10	553	9.29E+04	0	0.00%
1995	SMC	10	560	9.41E+04	0	0.00%
1996	SMC	35	1888	3.17E+05	0	0.00%
P197	SMC	12	600	1.01E+05	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 100%, t_{on} = 15 MIN, t_{off} = 30 MIN

MIL-STD-750, Method 1037

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLL755S	MBR340T3	SBN	PHX	SBN	SMC	9642	SBR	1000	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9648	SBR	1000	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9651	SBR	1000	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9705	SBR	1000	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9706	SBR	1000	50	0
RLL537S	MURS320T3	SBN	PHX	SBN	SMC	9649	UFRR	1000	50	0
RLL537S	MURS320T3	SBN	PHX	SBN	SMC	9702	UFRR	1000	50	0
RLL755S	SBRS559773	SBN	PHX	SBN	SMC	9708	SBR	1000	50	0
RLL755S	SBRS5597T3	SBN	PHX	SBN	SMC	9710	SBR	1000	50	0
RLL517S	SURS283T3	SBN	PHX	SBN	SMC	9701	UFRR	1000	50	0
RLL537S	SURS283T3003	SBN	PHX	SBN	SMC	9712	UFRR	1000	50	0
RLL537S	SURS5648T3	SBN	PHX	SBN	SMC	9647	UFRR	1000	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1993	SMC	6	224	2.15E+04	0	0.00%
1994	SMC	9	470	4.51E+04	0	0.00%
1995	SMC	8	448	4.30E+04	0	0.00%
1996	SMC	10	560	5.38E+04	0	0.00%
P197	SMC	12	600	6.00E+05	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLL755S	MBR340T3	SBN	PHX	SBN	SMC	9642	SBR	8	22	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9648	SBR	8	22	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9651	SBR	8	22	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9705	SBR	8	22	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9706	SBR	8	22	0
RLL537S	MURS320T3	SBN	PHX	SBN	SMC	9649	UFRR	8	22	0
RLL537S	MURS320T3	SBN	PHX	SBN	SMC	9702	UFRR	8	22	0
RLL755S	SBRS559773	SBN	PHX	SBN	SMC	9708	SBR	8	22	0
RLL755S	SBRS5597T3	SBN	PHX	SBN	SMC	9710	SBR	8	22	0
RLL517S	SURS283T3	SBN	PHX	SBN	SMC	9701	UFRR	8	22	0
RLL537S	SURS283T3003	SBN	PHX	SBN	SMC	9712	UFRR	8	22	0
RLL537S	SURS5648T3	SBN	PHX	SBN	SMC	9647	UFRR	8	22	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	SMC	3	66	N/A	0	0.00%
1993	SMC	13	286	N/A	0	0.00%
1994	SMC	10	220	N/A	0	0.00%
1995	SMC	9	198	N/A	0	0.00%
1996	SMC	35	770	N/A	0	0.00%
P197	SMC	12	264	N/A	0	0.00%

SOLDER HEAT

TEMPERATURE: +260°C

STRESS: 10 SECOND DIP

MIL-STD-750, Method 2031

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLL755S	MBR340T3	SBN	PHX	SBN	SMC	9642	SBR	1	22	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9648	SBR	1	22	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9651	SBR	1	22	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9705	SBR	1	22	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9706	SBR	1	22	0
RLL537S	MURS320T3	SBN	PHX	SBN	SMC	9649	UFRR	1	22	0
RLL537S	MURS320T3	SBN	PHX	SBN	SMC	9702	UFRR	1	22	0
RLL755S	SBRS559773	SBN	PHX	SBN	SMC	9708	SBR	1	22	0
RLL755S	SBRS5597T3	SBN	PHX	SBN	SMC	9710	SBR	1	22	0
RLL517S	SURS283T3	SBN	PHX	SBN	SMC	9701	UFRR	1	22	0
RLL537S	SURS283T3003	SBN	PHX	SBN	SMC	9712	UFRR	1	22	0
RLL537S	SURS5648T3	SBN	PHX	SBN	SMC	9647	UFRR	1	22	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	SMC	5	110	N/A	0	0.00%
1993	SMC	12	264	N/A	0	0.00%
1994	SMC	9	334	N/A	0	0.00%
1995	SMC	10	220	N/A	0	0.00%
1996	SMC	35	770	N/A	0	0.00%
P197	SMC	12	264	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLL755S	MBR340T3	SBN	PHX	SBN	SMC	9642	SBR	200	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9648	SBR	200	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9651	SBR	200	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9705	SBR	200	50	0
RLL755S	MBRS340T3	SBN	PHX	SBN	SMC	9706	SBR	200	50	0
RLL537S	MURS320T3	SBN	PHX	SBN	SMC	9649	UFRR	200	50	0
RLL537S	MURS320T3	SBN	PHX	SBN	SMC	9702	UFRR	200	50	0
RLL755S	SBRS559773	SBN	PHX	SBN	SMC	9708	SBR	200	50	0
RLL755S	SBRS5597T3	SBN	PHX	SBN	SMC	9710	SBR	200	50	0
RLL517S	SURS283T3	SBN	PHX	SBN	SMC	9701	UFRR	200	50	0
RLL537S	SURS283T3003	SBN	PHX	SBN	SMC	9712	UFRR	200	50	0
RLL537S	SURS5648T3	SBN	PHX	SBN	SMC	9647	UFRR	200	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	SMC	5	225	4.50E+04	0	0.00%
1993	SMC	15	707	1.41E+05	0	0.00%
1994	SMC	10	553	1.11E+05	0	0.00%
1995	SMC	10	560	1.12E+05	0	0.00%
1996	SMC	35	1888	3.78E+05	0	0.00%
P197	SMC	12	600	1.20E+05	0	0.00%

THERMAL SHOCK

TEMPERATURE: -65°C to +150°C

STRESS: LIQUID, ≥ 5 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	SMC	6	336	6.72E+04	0	0.00%
1996	SMC	13	698	1.40E+05	0	0.00%

TO-218 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-218	13	698	6.70E+04	0	0.00%
1993	TO-218	4	120	2.30E+04	0	0.00%
1994	TO-218	8	240	3.46E+04	0	0.00%
1995	TO-218	10	345	4.61E+04	0	0.00%

HIGH HUMIDITY HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +85°C

STRESS: rh = 85%, V_R = 80%

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1994	TO-218	1	30	3.00E+04	0	0.00%
1995	TO-218	5	180	8.02E+04	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-218	13	441	1.60E+05	0	0.00%
1993	TO-218	4	120	1.20E+04	0	0.00%
1994	TO-218	8	255	5.25E+04	0	0.00%
1995	TO-218	10	300	1.38E+05	0	0.00%

TO-220 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL973E	MBR20100CT	GDL	PHX	GDL	TO-220	9713	SBR	48	50	0
RL944	MBR20200CT	GDL	PHX	GDL	TO-220	9705	SBR	48	50	0
RL946	MBR2045CT	GDL	PHX	GDL	TO-220	9709	SBR	48	50	0
RL946	MBR2045CT	GDL	PHX	GDL	TO-220	9711	SBR	48	50	0
RL933	MBR745	GDL	PHX	GDL	TO-220	9707	SBR	48	50	0
RL933	MBR745	GDL	PHX	GDL	TO-220	9710	SBR	48	50	0
RL606	MUR1560	GDL	PHX	GDL	TO-220	9708	UFRR	48	50	0
RL315E	MUR1615CT	GDL	PHX	GDL	TO-220	9702	UFRR	48	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	36	1478	1.43E+05	0	0.00%
1993	TO-220	33	1580	9.79E+04	1	0.06%
1994	TO-220	55	2570	1.78E+05	1	0.04%
1995	TO-220	63	3110	1.69E+05	2	0.06%
1996	TO-220	39	1972	9.60E+04	5	0.25%
P197	TO-220	8	400	1.92E+04	0	0.00%

HIGH HUMIDITY HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +85°C

STRESS: rh = 85%, V_R = 80%

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1994	TO-220	1	30	1.50E+05	0	0.00%
1995	TO-220	1	30	3.00E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL973E	MBR20100CT	GDL	PHX	GDL	TO-220	9713	SBR	120	50	0
RL944	MBR20200CT	GDL	PHX	GDL	TO-220	9705	SBR	120	50	0
RL946	MBR2045CT	GDL	PHX	GDL	TO-220	9709	SBR	120	50	0
RL946	MBR2045CT	GDL	PHX	GDL	TO-220	9711	SBR	120	50	0
RL933	MBR745	GDL	PHX	GDL	TO-220	9707	SBR	120	50	0
RL933	MBR745	GDL	PHX	GDL	TO-220	9710	SBR	120	50	0
RL606	MUR1560	GDL	PHX	GDL	TO-220	9708	UFRR	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	28	1199	4.27E+05	0	0.00%
1993	TO-220	28	1425	2.34E+05	0	0.00%
1994	TO-220	47	2350	3.45E+05	0	0.00%
1995	TO-220	49	2450	5.02E+05	0	0.00%
1996	TO-220	38	4070	2.91E+05	0	0.00%
P197	TO-220	7	350	4.20E+04	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL973E	MBR20100CT	GDL	PHX	GDL	TO-220	9713	SBR	4	10	0
RL944	MBR20200CT	GDL	PHX	GDL	TO-220	9705	SBR	4	10	0
RL946	MBR2045CT	GDL	PHX	GDL	TO-220	9709	SBR	4	10	0
RL946	MBR2045CT	GDL	PHX	GDL	TO-220	9711	SBR	4	10	0
RL933	MBR745	GDL	PHX	GDL	TO-220	9707	SBR	4	10	0
RL933	MBR745	GDL	PHX	GDL	TO-220	9710	SBR	4	10	0
RL606	MUR1560	GDL	PHX	GDL	TO-220	9708	UFRR	4	10	0
RL315E	MUR1615CT	GDL	PHX	GDL	TO-220	9702	UFRR	4	10	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	20	248	N/A	0	0.00%
1993	TO-220	25	250	N/A	0	0.00%
1994	TO-220	46	460	N/A	0	0.00%
1995	TO-220	55	550	N/A	0	0.00%
1996	TO-220	36	288	N/A	0	0.00%
P197	TO-220	8	80	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RL973E	MBR20100CT	GDL	PHX	GDL	TO-220	9713	SBR	100	50	0
RL944	MBR20200CT	GDL	PHX	GDL	TO-220	9705	SBR	100	50	0
RL946	MBR2045CT	GDL	PHX	GDL	TO-220	9709	SBR	100	50	0
RL946	MBR2045CT	GDL	PHX	GDL	TO-220	9711	SBR	100	50	0
RL933	MBR745	GDL	PHX	GDL	TO-220	9707	SBR	100	50	0
RL933	MBR745	GDL	PHX	GDL	TO-220	9710	SBR	100	50	0
RL606	MUR1560	GDL	PHX	GDL	TO-220	9708	UFRR	100	50	0
RL315E	MUR1615CT	GDL	PHX	GDL	TO-220	9702	UFRR	100	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	35	1462	4.88E+05	1	0.07%
1993	TO-220	29	1330	1.90E+05	0	0.00%
1994	TO-220	54	2540	4.00E+05	0	0.00%
1995	TO-220	66	3260	9.03E+05	0	0.00%
1996	TO-220	39	3900	2.60E+05	0	0.00%
P197	TO-220	8	400	4.00E+04	0	0.00%

TO-247 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-247	5	152	2.68E+04	0	0.00%
1993	TO-247	2	60	5.76E+03	0	0.00%
1994	TO-247	3	90	8.64E+03	0	0.00%
1995	TO-247	8	340	2.04E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	TO-247	5	250	3.00E+04	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 100%, t_{on} = 15 MIN, t_{off} = 30 MIN

MIL-STD-750, Method 1037

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	TO-247	5	250	2.50E+05	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-247	7	242	1.45E+05	0	0.00%
1993	TO-247	2	60	6.00E+03	0	0.00%
1994	TO-247	3	90	9.00E+03	0	0.00%
1995	TO-247	8	340	1.73E+05	0	0.00%

TO-252 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLD735A	MBRD320	SBN	PHX	SBN	TO-252	9712	SBR	96	50	0
RLD735A	MBRD340RL	SBN	PHX	SBN	TO-252	9650	SBR	96	50	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	96	50	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	96	50	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9711	SBR	96	50	0
RLD735A	MBRD360T4	SBN	PHX	SBN	TO-252	9705	SBR	96	50	0
RLD745	MBRD630CTT4	SBN	PHX	SBN	TO-252	9709	SBR	96	50	0
RLD745	MBRD640CTT4	SBN	PHX	SBN	TO-252	9713	SBR	96	50	0
RLD924	MBRD835LT4	SBN	PHX	SBN	TO-252	9652	SBR	96	50	0
RLD924	MBRD835LT4	SBN	PHX	SBN	TO-252	9703	SBR	96	50	0
RLD410	MURD320T4	SBN	PHX	SBN	TO-252	9704	UFRR	96	50	0
RLD924	SBRD335-1	SBN	PHX	SBN	TO-252	9648	SBR	96	50	0
RLD924	SBRD335L	SBN	PHX	SBN	TO-252	9649	SBR	96	50	0
RLD924	SBRD335LT4	SBN	PHX	SBN	TO-252	9710	SBR	96	50	0
RLD745	SBRD5644-5	SBN	PHX	SBN	TO-252	9707	SBR	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-252	11	545	5.23E+04	0	0.00%
1993	TO-252	61	3050	2.93E+05	0	0.00%
1994	TO-252	88	4400	4.22E+05	0	0.00%
1995	TO-252	30	1500	1.44E+05	0	0.00%
1996	TO-252	44	2200	2.11E+05	0	0.00%
P197	TO-252	15	750	7.20E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLD735A	MBRD320	SBN	PHX	SBN	TO-252	9712	SBR	168	50	0
RLD735A	MBRD340RL	SBN	PHX	SBN	TO-252	9650	SBR	168	50	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	168	50	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	1000	50	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	168	50	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9711	SBR	168	50	0
RLD735A	MBRD360T4	SBN	PHX	SBN	TO-252	9705	SBR	168	50	0
RLD745	MBRD630CTT4	SBN	PHX	SBN	TO-252	9709	SBR	168	50	0
RLD745	MBRD640CTT4	SBN	PHX	SBN	TO-252	9713	SBR	168	50	0
RLD924	MBRD835LT4	SBN	PHX	SBN	TO-252	9652	SBR	168	50	0
RLD924	MBRD835LT4	SBN	PHX	SBN	TO-252	9703	SBR	168	50	0
RLD410	MURD320T4	SBN	PHX	SBN	TO-252	9704	UFRR	168	50	0
RLD924	SBRD335-1	SBN	PHX	SBN	TO-252	9648	SBR	168	50	0
RLD924	SBRD335L	SBN	PHX	SBN	TO-252	9649	SBR	168	50	0
RLD924	SBRD335LT4	SBN	PHX	SBN	TO-252	9710	SBR	168	50	0
RLD745	SBRD5644-5	SBN	PHX	SBN	TO-252	9707	SBR	168	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-252	11	545	9.16E+04	0	0.00%
1993	TO-252	53	2650	4.87E+05	0	0.00%
1994	TO-252	77	3850	7.30E+05	0	0.00%
1995	TO-252	34	1700	4.52E+05	0	0.00%
1996	TO-252	50	2500	6.70E+05	0	0.00%
P197	TO-252	16	800	1.76E+05	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLD735A	MBRD320	SBN	PHX	SBN	TO-252	9712	SBR	8	22	0
RLD735A	MBRD340RL	SBN	PHX	SBN	TO-252	9650	SBR	8	22	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	8	22	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	8	22	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9711	SBR	8	22	0
RLD735A	MBRD360T4	SBN	PHX	SBN	TO-252	9705	SBR	8	22	0
RLD745	MBRD630CTT4	SBN	PHX	SBN	TO-252	9709	SBR	8	22	0
RLD745	MBRD640CTT4	SBN	PHX	SBN	TO-252	9713	SBR	8	22	0
RLD924	MBRD835LT4	SBN	PHX	SBN	TO-252	9652	SBR	8	22	0
RLD924	MBRD835LT4	SBN	PHX	SBN	TO-252	9703	SBR	8	22	0
RLD410	MURD320T4	SBN	PHX	SBN	TO-252	9704	UFRR	8	22	0
RLD924	SBRD335-1	SBN	PHX	SBN	TO-252	9648	SBR	8	22	0
RLD924	SBRD335L	SBN	PHX	SBN	TO-252	9649	SBR	8	22	0
RLD924	SBRD335LT4	SBN	PHX	SBN	TO-252	9710	SBR	8	22	0
RLD745	SBRD5644-5	SBN	PHX	SBN	TO-252	9707	SBR	8	22	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-252	11	242	N/A	0	0.00%
1993	TO-252	52	1144	N/A	0	0.00%
1994	TO-252	75	1650	N/A	0	0.00%
1995	TO-252	30	660	N/A	0	0.00%
1996	TO-252	44	968	N/A	0	0.00%
P197	TO-252	15	330	N/A	0	0.00%

SOLDER HEAT

TEMPERATURE: +260°C

STRESS: 10 SECOND DIP

MIL-STD-750, Method 2031

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLD735A	MBRD320	SBN	PHX	SBN	TO-252	9712	SBR	1	22	0
RLD735A	MBRD340RL	SBN	PHX	SBN	TO-252	9650	SBR	1	22	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	1	22	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	1	22	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9711	SBR	1	22	0
RLD735A	MBRD360T4	SBN	PHX	SBN	TO-252	9705	SBR	1	22	0

SOLDER HEAT (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLD745	MBRD630CTT4	SBN	PHX	SBN	TO-252	9709	SBR	1	22	0
RLD745	MBRD640CTT4	SBN	PHX	SBN	TO-252	9713	SBR	1	22	0
RLD924	MBRD835LT4	SBN	PHX	SBN	TO-252	9652	SBR	1	22	0
RLD924	MBRD835LT4	SBN	PHX	SBN	TO-252	9703	SBR	1	22	0
RLD410	MURD320T4	SBN	PHX	SBN	TO-252	9704	UFRR	1	22	0
RLD924	SBRD335-1	SBN	PHX	SBN	TO-252	9648	SBR	1	22	0
RLD924	SBRD335L	SBN	PHX	SBN	TO-252	9649	SBR	1	22	0
RLD924	SBRD335LT4	SBN	PHX	SBN	TO-252	9710	SBR	1	22	0
RLD745	SBRD5644-5	SBN	PHX	SBN	TO-252	9707	SBR	1	22	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-252	11	265	N/A	0	0.00%
1993	TO-252	52	1144	N/A	0	0.00%
1994	TO-252	75	1650	N/A	0	0.00%
1995	TO-252	30	660	N/A	0	0.00%
1996	TO-252	44	968	N/A	0	0.00%
P197	TO-252	15	330	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
RLD735A	MBRD320	SBN	PHX	SBN	TO-252	9712	SBR	200	50	0
RLD735A	MBRD340RL	SBN	PHX	SBN	TO-252	9650	SBR	200	50	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	200	50	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	1000	50	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9702	SBR	200	50	0
RLD735A	MBRD340T4	SBN	PHX	SBN	TO-252	9711	SBR	200	50	0
RLD735A	MBRD360T4	SBN	PHX	SBN	TO-252	9705	SBR	200	50	0
RLD745	MBRD630CTT4	SBN	PHX	SBN	TO-252	9709	SBR	200	50	0
RLD745	MBRD640CTT4	SBN	PHX	SBN	TO-252	9713	SBR	200	50	0
RLD924	MBRD835LT4	SBN	PHX	SBN	TO-252	9652	SBR	200	50	0
RLD924	MBRD835LT4	SBN	PHX	SBN	TO-252	9703	SBR	200	50	0
RLD410	MURD320T4	SBN	PHX	SBN	TO-252	9704	UFRR	200	50	0
RLD924	SBRD335-1	SBN	PHX	SBN	TO-252	9648	SBR	200	50	0
RLD924	SBRD335L	SBN	PHX	SBN	TO-252	9649	SBR	200	50	0
RLD924	SBRD335LT4	SBN	PHX	SBN	TO-252	9710	SBR	200	50	0
RLD745	SBRD5644-5	SBN	PHX	SBN	TO-252	9707	SBR	200	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-252	11	545	1.09E+05	0	0.00%
1993	TO-252	62	3100	6.60E+05	0	0.00%
1994	TO-252	77	3850	8.50E+05	0	0.00%
1995	TO-252	34	1700	5.00E+05	0	0.00%
1996	TO-252	50	2500	7.40E+05	0	0.00%
P197	TO-252	16	800	2.00E+05	0	0.00%

SUMMARY

AUTOCLAVE

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	COMMENTS
RL689	SR3980	GDL	PHX	GDL	CASE-193	9703	UFRR	REP#1-123 IR/MOISTURE
RL689	SR3980	GDL	PHX	GDL	CASE-193	9702	UFRR	REP#1-119 IR/MOISTURE
RL840	MR2502	GDL	TLS	GDL	CASE-193	9702	SRR	REP#1-120 IR/MOISTURE
RL840	MR2502	GDL	TLS	GDL	CASE-193	9703	SRR	REP#1-124 IR/MOISTURE
RL870	MR2510	GDL	TLS	GDL	CASE-193	9710	SBR	REP#3-167 MOISTURE
RL874	SR4373	GDL	TLS	GDL	CASE-193	9702	SBR	REP#1-121 IR/MOISTURE
RL874	SR4373	GDL	TLS	GDL	CASE-193	9703	SBR	REP#1-125 IR/MOISTURE
RL601	MR751	GDL	TLS	GDL	CASE-194	9704	SRR	REP#2-021 IR/MOISTURE
RL601	MR752	GDL	TLS	GDL	CASE-194	9705	SRR	REP#2-104 IR/1-MOISTURE
RL601	MR754	GDL	TLS	GDL	CASE-194	9710	SRR	REP#3-116 IR/MOISTURE
RL601	MR756	GDL	TLS	GDL	CASE-194	9706	SRR	REP#2-128 IR/CRACKED DIE
RL601M	MR751	GDL	TLS	GDL	CASE-194	9702	SRR	REP#1-078 CRACKS & CHIPS
RL602	SR4483RL	GDL	TLS	GDL	CASE-194	9709	SRR	REP#3-110 MOISTURE
RL621	SR4116LRL	GDL	PHX	GDL	CASE-194	9705	TS	REP#2-106 MOISTURE
RL621	SR4410LRL	GDL	PHX	GDL	CASE-194	9709	TS	REP#3-112 IR/MOISTURE
RL537	MUR410	GDL	PHX	GDL	CASE-267	9708	UFRR	IR=EOS

HIGH TEMPERATURE STORAGE LIFE

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	COMMENTS
RL689	SR3980	GDL	PHX	GDL	CASE-193	9703	UFRR	REP#1-144 CRACKED DIE
RL689	SR4355	GDL	PHX	GDL	CASE-193	9710	UFRR	REP#3-168 CRACKED DIE
RL621M	SR4410LRL	GDL	PHX	GDL	CASE-194	9702	TS	REP#1-080 CONTAM ON PKG

HIGH TEMPERATURE REVERSE BIAS

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	COMMENTS
RL602	SR4483RL	GDL	TLS	GDL	CASE-194	9709	SRR	REP #3-113 MOISTURE

TEMPERATURE CYCLING

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	COMMENTS
RL689	SR3980	GDL	PHX	GDL	CASE-193	9702	UFRR	REP#1-118 CRACKED DIE
RL689	SR3980	GDL	PHX	GDL	CASE-193	9703	UFRR	REP#1-127 CRACKED DIE
RL601	MR752	GDL	TLS	GDL	CASE-194	9705	SRR	REP#2-105 IR/CONT ON PKG
RL601	MR752	GDL	TLS	GDL	CASE-194	9707	SRR	REP#2-160 IR/CRACKED DIE
RL601	MR754	GDL	TLS	GDL	CASE-194	9710	SRR	REP#3-115 IR/CRACKED DIE
RL601	MR756	GDL	TLS	GDL	CASE-194	9706	SRR	REP#2-126 CRACKED DIE
RL601M	MR751	GDL	TLS	GDL	CASE-194	9702	SRR	REP#1-079 IR/CRACKED DIE
RL602	SR4483RL	GDL	TLS	GDL	CASE-194	9709	SRR	REP#3-111 CRACKED DIE

THYRISTORS

SCR — PLASTIC

HIGH TEMPERATURE FORWARD BIAS

TEMPERATURE: +85°C

STRESS: $V_{AK} = 100\%$

MIL-STD-750, Method 1040

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL670	2N6397	GDL	GDL	GDL	TO-220	9704	SCR	120	50	0
TL672	2N6508	GDL	GDL	GDL	TO-220	9704	SCR	120	50	1
TL472	MCR225-10FP	GDL	GDL	GDL	TO-220ISO	9707	SCR	120	50	0
TL690	MCR265-8	GDL	GDL	GDL	TO-220	9712	SCR	120	50	0
TL672	MCR69-2	GDL	GDL	GDL	TO-220	9709	SCR	120	50	0
TL675	MCR72-8	GDL	GDL	GDL	TO-220	9707	SCR	120	50	0
TL607	SC-R2162	GDL	GDL	GDL	TO-220	9704	SCR	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
P197	SCR	7	350	4.20E+04	1	1.50E+07	1.40E+06	30	50	132.56	259.18	1417.15	2770.70

HIGH TEMPERATURE FORWARD BIAS

TEMPERATURE: +100°C

STRESS: $V_{AK} = 100\%$

MIL-STD-750, Method 1040

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL236	C106D	SBN	GDL	SBN	TO-225	9650	SCR	96	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9652	SCR	96	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9702	SCR	96	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9709	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9649	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9706	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9707	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9708	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9711	SCR	96	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9651	SCR	96	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9703	SCR	96	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9713	SCR	96	50	0
TL238	MCR106-6	SBN	GDL	SBN	TO-225	9712	SCR	96	50	0
TL278A	MCR704ARL	SBN	GDL	SBN	TO-252	9712	SCR	96	50	0
TL278A	MCR708ARL	SBN	GDL	SBN	TO-252	9646	SCR	96	50	0
TL279	MCR716T4	SBN	GDL	SBN	TO-252	9648	SCR	96	50	0
TL279	MCR718RL	SBN	GDL	SBN	TO-252	9704	SCR	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	SCR	7	350	1.08E+04	0	7.63E+06	4.52E+05	35	60	118.27	301.91	1996.30	5096.07
1993	SCR	30	1500	1.15E+05	0	8.14E+07	4.82E+06	35	60	11.09	28.30	187.15	477.76
1994	SCR	4	200	2.04E+04	0	1.44E+07	8.53E+05	35	60	62.61	159.84	1056.87	2697.92
1995	SCR	1	50	6.00E+03	0	4.24E+06	2.51E+05	35	60	212.88	543.44	3593.34	9172.92
1996	SCR	19	950	1.14E+05	0	8.05E+07	4.77E+06	35	60	11.20	28.60	189.12	482.79
P197	SCR	17	850	8.16E+04	0	5.76E+07	3.41E+06	35	60	15.65	39.96	264.22	674.48

HIGH TEMPERATURE FORWARD BIAS

TEMPERATURE: +150°C

STRESS: $V_{AK} = 100\%$

MIL-STD-750, Method 1040

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	SCR	17	850	1.56E+05	2	4.36E+08	1.44E+07	55	90	7.01	12.20	211.84	368.57
1993	SCR	39	1950	1.98E+05	0	5.55E+08	1.84E+07	55	90	1.62	4.15	49.09	125.31
1994	SCR	90	4500	5.46E+05	17	1.53E+09	5.07E+07	55	90	12.24	15.41	369.77	465.48
1995	SCR	43	2150	3.10E+05	0	8.69E+08	2.88E+07	55	90	1.04	2.65	31.35	80.04
1996	SCR	71	4180	4.87E+05	5	1.37E+09	4.52E+07	55	90	4.55	6.79	137.48	205.13

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +100°C

STRESS: $V_{AK} = 100\%$

MIL-STD-750, Method 1040

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL236	C106D	SBN	GDL	SBN	TO-225	9650	SCR	96	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9652	SCR	96	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9702	SCR	96	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9709	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9649	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9706	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9707	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9708	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9711	SCR	96	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9651	SCR	96	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9703	SCR	96	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9713	SCR	96	50	0
TL238	MCR106-6	SBN	GDL	SBN	TO-225	9712	SCR	96	50	0
TL278A	MCR704ARL	SBN	GDL	SBN	TO-252	9712	SCR	96	50	0
TL278A	MCR708ARL	SBN	GDL	SBN	TO-252	9646	SCR	96	50	0
TL279	MCR716T4	SBN	GDL	SBN	TO-252	9648	SCR	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
P197	SCR	16	800	7.68E+04	0	5.42E+07	3.21E+06	35	60	16.63	42.46	280.73	716.63

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{AK} = 80\%$

MIL-STD-750, Method 1040

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL670	2N6397	GDL	GDL	GDL	TO-220	9704	SCR	120	50	0
TL672	2N6508	GDL	GDL	GDL	TO-220	9704	SCR	120	50	1
TL472	MCR225-10FP	GDL	GDL	GDL	TO-220ISO	9707	SCR	120	50	0
TL625	MCR25D	GDL	GDL	GDL	TO-220	9705	SCR	120	50	0
TL690	MCR265-8	GDL	GDL	GDL	TO-220	9712	SCR	120	50	0
TL672	MCR69-2	GDL	GDL	GDL	TO-220	9709	SCR	120	50	0
TL675	MCR72-8	GDL	GDL	GDL	TO-220	9707	SCR	120	50	0
TL607	SC-R2162	GDL	GDL	GDL	TO-220	9704	SCR	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1996	SCR	8	400	4.80E+04	0	1.72E+07	1.60E+06	30	50	52.59	134.25	562.19	1435.14
P197	SCR	8	400	4.80E+04	1	1.35E+08	4.45E+06	55	90	14.78	28.90	446.62	873.19

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{AK} = 100\%$

MIL-STD-750, Method 1040

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL279	MCR718RL	SBN	GDL	SBN	TO-252	9704	SCR	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	SCR	29	1450	2.23E+05	2	6.25E+08	2.07E+07	55	90	4.90	8.52	147.94	257.41
1993	SCR	59	2928	3.47E+05	81	9.74E+08	3.22E+07	55	90	86.22	96.31	2604.92	2909.77
1994	SCR	121	6050	7.28E+05	5	2.04E+09	6.75E+07	55	90	3.05	4.55	92.06	137.35
1995	SCR	68	3400	4.60E+05	0	1.29E+09	4.27E+07	55	90	0.70	1.79	21.13	53.94
1996	SCR	85	4880	5.68E+05	5	1.59E+09	5.27E+07	55	90	3.91	5.83	118.01	176.07
P197	SCR	1	50	4.80E+03	0	1.35E+07	4.45E+05	55	90	67.02	171.09	2024.88	5169.01

SIDAC — PLASTIC

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +85°C

STRESS: $V_{AK} = 100\%$

MIL-STD-750, Method 1040

PART													
LINE	DEVICE		MFG SITE	WAF SITE	TEST SITE	PACKAGE		DATE CODE		TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1996	SIDAC	15	750	9.00E+04	2	3.22E+07	3.01E+06	30	50	95.12	165.50	1016.85	1769.21

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{AK} = 80\%$

MIL-STD-750, Method 1040

LINE	DEVICE		MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE		TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS	
TL187	MKP3V240		GDL	PHX	GDL	CASE-267	9708		SIDAC	120	50	0	
SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
P197	SIDAC	1	50	6.00E+03	0	1.68E+07	5.57E+05	55	90	53.62	136.87	1619.90	4135.21

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{AK} = 100\%$

MIL-STD-750, Method 1040

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS			
TL198	MKP1V120	GDL	PHX	GDL	CASE-59	9710	SIDAC	120	50	0			
TL186	MKP1V130	GDL	PHX	GDL	CASE-59	9704	SIDAC	120	50	0			
TL1401	SK2V1401-1	GDL	GDL	GDL	CASE-416	9706	SIDAC	120	50	0			
TL1401	SK2V1401-1	GDL	GDL	GDL	CASE-416	9709	SIDAC	120	50	0			
TL1401	SK2V1401-1	GDL	GDL	GDL	CASE-416	9710	SIDAC	120	50	0			
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9707	SIDAC	120	50	0			
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9707	SIDAC	120	50	0			
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9708	SIDAC	120	50	0			
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9711	SIDAC	120	50	0			
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9712	SIDAC	120	50	0			
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9713	SIDAC	120	50	0			
SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	SIDAC	18	900	1.08E+05	1	3.03E+08	1.00E+07	55	90	6.57	12.85	198.50	388.09
1996	SIDAC	36	3130	2.16E+05	0	6.06E+08	2.00E+07	55	90	1.49	3.80	45.00	114.87
P197	SIDAC	11	550	6.60E+04	0	1.85E+08	6.13E+06	55	90	4.87	12.44	147.26	375.93

TRIAC — PLASTIC**HIGH TEMPERATURE FORWARD BIAS**

TEMPERATURE: +100°C

STRESS: $V_{AK} = 100\%$

MIL-STD-750, Method 1040

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS			
TL220	2N6071A	SBN	GDL	SBN	TO-225	9649	TRIAC	96	50	0			
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	1000	50	0			
TL220	2N6071B	SBN	GDL	SBN	TO-225	9650	TRIAC	96	50	0			
TL220	2N6071B	SBN	GDL	SBN	TO-225	9706	TRIAC	96	50	0			
TL220	2N6071B	SBN	GDL	SBN	TO-225	9713	TRIAC	96	50	0			
TL220	2N6073B	SBN	GDL	SBN	TO-225	9651	TRIAC	96	50	0			
TL220	2N6075A	SBN	GDL	SBN	TO-225	9707	TRIAC	96	50	0			
TL220	2N6075A	SBN	GDL	SBN	TO-225	9708	TRIAC	96	50	0			
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9652	TRIAC	96	50	0			
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9702	TRIAC	96	50	0			
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9703	TRIAC	96	50	0			
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9704	TRIAC	96	50	0			
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9709	TRIAC	96	50	0			
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9710	TRIAC	96	50	0			
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9711	TRIAC	96	50	0			
SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	TRIAC	3	150	1.80E+04	0	1.27E+07	7.53E+05	35	60	70.96	181.15	1197.78	3057.64
1996	TRIAC	37	1850	3.10E+05	2	2.19E+08	1.30E+07	35	60	13.97	24.31	235.86	410.38
P197	TRIAC	15	750	1.17E+05	0	8.28E+07	4.90E+06	35	60	10.90	27.82	183.96	469.60

HIGH TEMPERATURE FORWARD BIAS

TEMPERATURE: +150°C

STRESS: $V_{AK} = 100\%$

MIL-STD-750, Method 1040

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	TRIAC	32	1600	2.04E+05	14	5.72E+08	1.89E+07	55	90	27.14	35.19	820.04	1063.17
1993	TRIAC	32	1600	1.61E+05	0	4.51E+08	1.49E+07	55	90	2.00	5.11	60.44	154.30
1994	TRIAC	119	5886	6.57E+05	1	1.84E+09	6.09E+07	55	90	1.08	2.11	32.64	63.82
1995	TRIAC	48	2400	2.86E+05	0	8.03E+08	2.66E+07	55	90	1.12	2.87	33.94	86.63

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +100°C

STRESS: $V_{AK} = 100\%$

MIL-STD-750, Method 1040

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL220	2N6071A	SBN	GDL	SBN	TO-225	9649	TRIAC	96	50	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	1000	50	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	96	50	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	96	50	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9650	TRIAC	96	50	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9706	TRIAC	96	50	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9713	TRIAC	96	50	0
TL220	2N6073B	SBN	GDL	SBN	TO-225	9651	TRIAC	96	50	0
TL220	2N6075A	SBN	GDL	SBN	TO-225	9707	TRIAC	96	50	0
TL220	2N6075A	SBN	GDL	SBN	TO-225	9708	TRIAC	96	50	0
TL220	SAC871K	SBN	GDL	SBN	TO-225	9702	TRIAC	96	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9652	TRIAC	96	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9702	TRIAC	96	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9703	TRIAC	96	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9704	TRIAC	96	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9709	TRIAC	96	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9710	TRIAC	96	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9711	TRIAC	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
P197	TRIAC	18	900	1.32E+05	0	9.29E+07	5.51E+06	35	60	9.71	24.78	163.83	418.22

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{AK} = 80\%$

MIL-STD-750, Method 1040

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL986	2N6349	GDL	GDL	GDL	TO-220	9706	TRIAC	120	50	0
TL981	MAC15A10	GDL	GDL	GDL	TO-220ISO	9703	TRIAC	120	50	0
TL981	MAC15A8FP	GDL	GDL	GDL	TO-220ISO	9706	TRIAC	120	50	0
TL817	MAC16N	GDL	GDL	GDL	TO-220	9713	TRIAC	120	50	0
TL786S	MAC210A8FP	GDL	GDL	GDL	TO-220ISO	9712	TRIAC	120	50	0
TL786S	MAC212A6FP	GDL	GDL	GDL	TO-220ISO	9704	TRIAC	120	50	0
TL785	MAC223A6FP	GDL	GDL	GDL	TO-220ISO	9710	TRIAC	120	50	0
TL777	MAC228A10FP	GDL	GDL	GDL	TO-220ISO	9705	TRIAC	120	50	0
TL981L	SAC319M	GDL	GDL	GDL	TO-220	9705	TRIAC	120	50	0
TL986S	SAC396-7	GDL	GDL	GDL	TO-220	9710	TRIAC	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
P197	TRIAC	10	500	6.00E+04	0	1.68E+08	5.57E+06	55	90	5.36	13.69	161.99	413.52

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{AK} = 100\%$

MIL-STD-750, Method 1040

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	TRIAC	120	5995	7.81E+05	3	2.19E+09	7.25E+07	55	90	1.88	3.05	56.82	92.20
1996	TRIAC	77	5250	4.84E+05	1	1.36E+09	4.49E+07	55	90	1.47	2.87	44.29	86.60

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{AK} = 100\%$

MIL-STD-750, Method 1040

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	TRIAC	1	50	3.35E+03	0	1.04E+07	2.49E+05	60	100	86.70	221.32	3627.16	9259.25
1996	TRIAC	112	7070	7.80E+05	10	2.19E+09	7.24E+07	55	90	5.22	7.05	157.63	212.95

CASE-59 — PLASTIC

AUTOCCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL198	MKP1V120	GDL	GDL	GDL	CASE-59	9710	SIDAC	48	50	0
TL186	MKP1V130	GDL	GDL	GDL	CASE-59	9704	SIDAC	48	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS		PERCENT OF RESULTS		
1992	CASE-59	4	200	9.60E+03		2		1.00%		
1993	CASE-59	17	850	4.08E+04		0		0.00%		
1994	CASE-59	27	1350	6.48E+04		0		0.00%		
1995	CASE-59	22	1100	5.52E+04		2		0.18%		
1996	CASE-59	12	590	2.88E+04		1		0.17%		
P197	CASE-59	2	100	4.80E+03		0		0.00%		

HIGH HUMIDITY HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +85°C

STRESS: rh = 85%, V_{AK} = 100%

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL198	MKP1V120	GDL	PHX	GDL	CASE-59	9710	SIDAC	120	50	0
TL186	MKP1V130	GDL	PHX	GDL	CASE-59	9704	SIDAC	120	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS		PERCENT OF RESULTS		
P197	CASE-59	2	100	1.20E+04		0		0.00%		

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL198	MKP1V120	GDL	GDL	GDL	CASE-59	9710	SIDAC	120	50	0
TL186	MKP1V130	GDL	GDL	GDL	CASE-59	9704	SIDAC	120	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS		PERCENT OF RESULTS		
1992	CASE-59	4	200	2.40E+04		0		0.00%		
1993	CASE-59	17	850	1.02E+05		0		0.00%		
1994	CASE-59	25	1250	1.50E+05		0		0.00%		
1995	CASE-59	22	1100	1.51E+05		0		0.00%		
1996	CASE-59	13	1070	7.80E+04		0		0.00%		
P197	CASE-59	2	100	1.20E+04		0		0.00%		

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL198	MKP1V120	GDL	GDL	GDL	CASE-59	9710	SIDAC	4	10	0
TL186	MKP1V130	GDL	GDL	GDL	CASE-59	9704	SIDAC	4	10	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS		PERCENT OF RESULTS		
1992	CASE-59	5	50	N/A		0		0.00%		
1993	CASE-59	20	190	N/A		0		0.00%		
1994	CASE-59	24	280	N/A		0		0.00%		
1995	CASE-59	6	100	N/A		0		0.00%		
1996	CASE-59	4	34	N/A		0		0.00%		
P197	CASE-59	2	20	N/A		0		0.00%		

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR $\geq$ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL198	MKP1V120	GDL	GDL	GDL	CASE-59	9710	SIDAC	100	50	0
TL186	MKP1V130	GDL	GDL	GDL	CASE-59	9704	SIDAC	100	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			
1992	CASE-59	4	200	2.00E+04		0	0.00%			
1993	CASE-59	18	900	9.00E+04		0	0.00%			
1994	CASE-59	24	1110	1.11E+05		0	0.00%			
1995	CASE-59	22	1100	1.30E+05		0	0.00%			
1996	CASE-59	12	1750	1.05E+05		0	0.00%			
P197	CASE-59	2	100	1.00E+04		0	0.00%			

CASE-416 — PLASTIC**AUTOCLAVE**

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL1401	SK2V1401-1	GDL	GDL	GDL	CASE-416	9706	SIDAC	48	50	0
TL1401	SK2V1401-1	GDL	GDL	GDL	CASE-416	9709	SIDAC	48	50	0
TL1401	SK2V1401-1	GDL	GDL	GDL	CASE-416	9710	SIDAC	48	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9707	SIDAC	48	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9708	SIDAC	48	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9711	SIDAC	48	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9712	SIDAC	48	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9713	SIDAC	48	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			
1992	CASE-416	8	400	6.12E+04		0	0.00%			
1993	CASE-416	27	1350	6.72E+04		3	0.22%			
1994	CASE-416	30	1500	7.20E+04		0	0.00%			
1995	CASE-416	57	2850	1.61E+05		14	0.49%			
1996	CASE-416	34	1680	8.16E+04		7	0.42%			
P197	CASE-416	8	400	1.92E+04		0	0.00%			

HIGH HUMIDITY HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +85°C

STRESS: rh = 85%, V_{AK} = 100%

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			
1992	CASE-416	36	1800	2.21E+05		0	0.00%			
1993	CASE-416	10	500	6.00E+04		1	0.20%			
1994	CASE-416	7	350	4.20E+04		0	0.00%			
1995	CASE-416	1	50	6.00E+03		0	0.00%			
1996	CASE-416	3	150	1.80E+04		0	0.00%			

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL1401	SK2V1401-1	GDL	GDL	GDL	CASE-416	9706	SIDAC	120	50	0
TL1401	SK2V1401-1	GDL	GDL	GDL	CASE-416	9709	SIDAC	120	50	0
TL1401	SK2V1401-1	GDL	GDL	GDL	CASE-416	9710	SIDAC	120	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9707	SIDAC	120	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9708	SIDAC	120	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9711	SIDAC	120	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9712	SIDAC	120	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9713	SIDAC	120	50	0

HIGH TEMPERATURE STORAGE LIFE (continued)

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1993	CASE-416	7	350	4.20E+04	0	0.00%
1994	CASE-416	30	1480	1.78E+05	0	0.00%
1995	CASE-416	48	2400	3.07E+05	0	0.00%
1996	CASE-416	27	2050	1.62E+05	0	0.00%
P197	CASE-416	8	400	4.80E+04	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1995	CASE-416	3	150	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR $\geq$ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL1401	SK2V1401-1	GDL	GDL	GDL	CASE-416	9706	SIDAC	100	50	0
TL1401	SK2V1401-1	GDL	GDL	GDL	CASE-416	9709	SIDAC	100	50	0
TL1401	SK2V1401-1	GDL	GDL	GDL	CASE-416	9710	SIDAC	100	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9707	SIDAC	100	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9708	SIDAC	100	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9711	SIDAC	100	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9712	SIDAC	100	50	0
TL1403	SK2V1403	GDL	GDL	GDL	CASE-416	9713	SIDAC	100	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	CASE-416	44	2200	3.44E+05	0	0.00%
1993	CASE-416	25	1250	1.25E+05	0	0.00%
1994	CASE-416	30	1500	1.95E+05	0	0.00%
1995	CASE-416	47	2350	2.55E+05	3	0.13%
1996	CASE-416	33	2150	1.65E+05	3	0.14%
P197	CASE-416	8	400	4.00E+04	0	0.00%

TO-220 — PLASTIC**AUTOCCLAVE**

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL986	2N6349	GDL	GDL	GDL	TO-220	9706	TRIAC	48	50	0
TL670	2N6397	GDL	GDL	GDL	TO-220	9704	SCR	48	50	0
TL672	2N6508	GDL	GDL	GDL	TO-220	9704	SCR	48	50	0
TL817	MAC16N	GDL	GDL	GDL	TO-220	9713	TRIAC	48	50	0
TL625	MCR25D	GDL	GDL	GDL	TO-220	9705	SCR	48	50	0
TL690	MCR265-8	GDL	GDL	GDL	TO-220	9712	SCR	48	50	0
TL672	MCR69-2	GDL	GDL	GDL	TO-220	9709	SCR	48	50	0
TL675	MCR72-8	GDL	GDL	GDL	TO-220	9707	SCR	48	50	0
TL981L	SAC319M	GDL	GDL	GDL	TO-220	9705	TRIAC	48	50	0
TL986S	SAC396-7	GDL	GDL	GDL	TO-220	9710	TRIAC	48	50	0
TL607	SC-R2162	GDL	GDL	GDL	TO-220	9704	SCR	48	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	43	2150	9.48E+04	26	1.21%
1993	TO-220	47	2291	1.17E+05	32	1.40%
1994	TO-220	89	4416	2.26E+05	25	0.57%
1995	TO-220	66	3300	1.61E+05	36	1.09%
1996	TO-220	54	2678	1.30E+05	27	1.01%
P197	TO-220	11	550	2.64E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL986	2N6349	GDL	GDL	GDL	TO-220	9706	TRIAC	120	50	0
TL670	2N6397	GDL	GDL	GDL	TO-220	9704	SCR	120	50	0
TL672	2N6508	GDL	GDL	GDL	TO-220	9704	SCR	120	50	0
TL817	MAC16N	GDL	GDL	GDL	TO-220	9713	TRIAC	120	50	0
TL625	MCR25D	GDL	GDL	GDL	TO-220	9705	SCR	120	50	0
TL690	MCR265-8	GDL	GDL	GDL	TO-220	9712	SCR	120	50	0
TL672	MCR69-2	GDL	GDL	GDL	TO-220	9709	SCR	120	50	0
TL675	MCR72-8	GDL	GDL	GDL	TO-220	9707	SCR	120	50	0
TL981L	SAC319M	GDL	GDL	GDL	TO-220	9705	TRIAC	120	50	0
TL986S	SAC396-7	GDL	GDL	GDL	TO-220	9710	TRIAC	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	45	2250	3.33E+05	5	0.22%
1993	TO-220	39	1966	2.98E+05	1	0.05%
1994	TO-220	82	4000	5.18E+05	7	0.17%
1995	TO-220	65	3210	4.48E+05	7	0.22%
1996	TO-220	55	3660	3.30E+05	3	0.08%
P197	TO-220	10	500	6.00E+04	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL670	2N6397	GDL	GDL	GDL	TO-220	9704	SCR	4	10	0
TL672	2N6508	GDL	GDL	GDL	TO-220	9704	SCR	4	10	0
TL690	MCR265-8	GDL	GDL	GDL	TO-220	9712	SCR	4	10	0
TL672	MCR69-2	GDL	GDL	GDL	TO-220	9709	SCR	4	10	0
TL675	MCR72-8	GDL	GDL	GDL	TO-220	9707	SCR	4	10	0
TL981L	SAC319M	GDL	GDL	GDL	TO-220	9706	TRIAC	4	10	0
TL986S	SAC396-7	GDL	GDL	GDL	TO-220	9710	TRIAC	4	10	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	47	550	N/A	0	0.00%
1993	TO-220	38	380	N/A	0	0.00%
1994	TO-220	54	540	N/A	0	0.00%
1995	TO-220	32	440	N/A	4	0.91%
1996	TO-220	33	282	N/A	0	0.00%
P197	TO-220	7	70	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL986	2N6349	GDL	GDL	GDL	TO-220	9706	TRIAC	100	50	0
TL670	2N6397	GDL	GDL	GDL	TO-220	9704	SCR	100	50	0
TL672	2N6508	GDL	GDL	GDL	TO-220	9704	SCR	100	50	0
TL817	MAC16N	GDL	GDL	GDL	TO-220	9713	TRIAC	100	50	0
TL625	MCR25D	GDL	GDL	GDL	TO-220	9705	SCR	100	50	0
TL690	MCR265-8	GDL	GDL	GDL	TO-220	9712	SCR	100	50	0
TL672	MCR69-2	GDL	GDL	GDL	TO-220	9709	SCR	100	50	0
TL675	MCR72-8	GDL	GDL	GDL	TO-220	9707	SCR	100	50	0
TL981L	SAC319M	GDL	GDL	GDL	TO-220	9705	TRIAC	100	50	0
TL986S	SAC396-7	GDL	GDL	GDL	TO-220	9710	TRIAC	100	50	0
TL607	SC-R2162	GDL	GDL	GDL	TO-220	9704	SCR	100	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	42	2100	2.22E+05	11	0.52%
1993	TO-220	42	2149	2.60E+05	1	0.05%
1994	TO-220	99	4914	6.51E+05	1	0.02%
1995	TO-220	66	3260	3.91E+05	5	0.15%
1996	TO-220	60	3750	3.00E+05	9	0.24%
P197	TO-220	11	550	5.50E+04	0	0.00%

TO-220 (ISOLATED) — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL981	MAC15A10	GDL	GDL	GDL	TO-220ISO	9703	TRIAC	48	50	0
TL981	MAC15A8FP	GDL	GDL	GDL	TO-220ISO	9706	TRIAC	48	50	0
TL786S	MAC210A8FP	GDL	GDL	GDL	TO-220ISO	9712	TRIAC	48	50	0
TL786S	MAC212A6FP	GDL	GDL	GDL	TO-220ISO	9704	TRIAC	48	50	0
TL785	MAC223A6FP	GDL	GDL	GDL	TO-220ISO	9710	TRIAC	48	50	0
TL777	MAC228A10FP	GDL	GDL	GDL	TO-220ISO	9705	TRIAC	48	50	0
TL472	MCR225-10FP	GDL	GDL	GDL	TO-220ISO	9707	SCR	48	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	22	1100	4.80E+04	20	1.82%
1993	TO-220ISO	17	941	4.76E+04	7	0.74%
1994	TO-220ISO	43	2100	1.01E+05	0	0.00%
1995	TO-220ISO	48	2400	1.18E+05	70	2.92%
1996	TO-220ISO	24	1186	5.76E+04	8	0.67%
P197	TO-220ISO	7	350	1.68E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL981	MAC15A10	GDL	GDL	GDL	TO-220ISO	9703	TRIAC	120	50	0
TL981	MAC15A8FP	GDL	GDL	GDL	TO-220ISO	9706	TRIAC	120	50	0
TL786S	MAC210A8FP	GDL	GDL	GDL	TO-220ISO	9712	TRIAC	120	50	0
TL786S	MAC212A6FP	GDL	GDL	GDL	TO-220ISO	9704	TRIAC	120	50	0
TL785	MAC223A6FP	GDL	GDL	GDL	TO-220ISO	9710	TRIAC	120	50	0
TL777	MAC228A10FP	GDL	GDL	GDL	TO-220ISO	9705	TRIAC	120	50	0
TL472	MCR225-10FP	GDL	GDL	GDL	TO-220ISO	9707	SCR	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	23	1150	1.50E+05	6	0.52%
1993	TO-220ISO	13	700	1.28E+05	0	0.00%
1994	TO-220ISO	43	1951	2.34E+05	2	0.10%
1995	TO-220ISO	43	2150	2.77E+05	0	0.00%
1996	TO-220ISO	22	1520	1.32E+05	6	0.39%
P197	TO-220ISO	7	350	4.20E+04	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL981	MAC15A10	GDL	GDL	GDL	TO-220ISO	9703	TRIAC	4	10	0
TL981	MAC15A8FP	GDL	GDL	GDL	TO-220ISO	9706	TRIAC	4	10	0
TL786S	MAC210A8FP	GDL	GDL	GDL	TO-220ISO	9712	TRIAC	4	10	0
TL786S	MAC212A6FP	GDL	GDL	GDL	TO-220ISO	9704	TRIAC	4	10	0
TL785	MAC223A6FP	GDL	GDL	GDL	TO-220ISO	9710	TRIAC	4	10	0
TL777	MAC228A10FP	GDL	GDL	GDL	TO-220ISO	9705	TRIAC	4	10	0
TL472	MCR225-10FP	GDL	GDL	GDL	TO-220ISO	9707	SCR	4	10	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	26	260	N/A	0	0.00%
1993	TO-220ISO	15	150	N/A	0	0.00%
1994	TO-220ISO	29	330	N/A	0	0.00%
1995	TO-220ISO	28	440	N/A	3	0.68%
1996	TO-220ISO	18	168	N/A	0	0.00%
P197	TO-220ISO	7	70	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL981	MAC15A10	GDL	GDL	GDL	TO-220ISO	9703	TRIAC	100	50	0
TL981	MAC15A8FP	GDL	GDL	GDL	TO-220ISO	9706	TRIAC	100	50	0
TL786S	MAC210A8FP	GDL	GDL	GDL	TO-220ISO	9712	TRIAC	100	50	0
TL786S	MAC212A6FP	GDL	GDL	GDL	TO-220ISO	9704	TRIAC	100	50	0
TL785	MAC223A6FP	GDL	GDL	GDL	TO-220ISO	9710	TRIAC	100	50	0
TL777	MAC228A10FP	GDL	GDL	GDL	TO-220ISO	9705	TRIAC	100	50	0
TL472	MCR225-10FP	GDL	GDL	GDL	TO-220ISO	9707	SCR	100	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	23	1150	1.08E+05	0	0.00%
1993	TO-220ISO	13	669	1.12E+05	0	0.00%
1994	TO-220ISO	38	1864	1.86E+05	0	0.00%
1995	TO-220ISO	49	2450	2.65E+05	0	0.00%
1996	TO-220ISO	23	1450	1.15E+05	0	0.00%
P197	TO-220ISO	7	350	3.50E+04	0	0.00%

TO-225 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL220	2N6071A	SBN	GDL	SBN	TO-225	9649	TRIAC	96	50	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	96	50	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	96	50	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9650	TRIAC	96	50	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9706	TRIAC	96	50	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9713	TRIAC	96	50	0
TL220	2N6073B	SBN	GDL	SBN	TO-225	9651	TRIAC	96	50	0
TL220	2N6075A	SBN	GDL	SBN	TO-225	9707	TRIAC	96	50	0
TL220	2N6075A	SBN	GDL	SBN	TO-225	9708	TRIAC	96	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9650	SCR	96	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9652	SCR	96	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9702	SCR	96	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9709	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9649	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9706	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9707	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9708	SCR	96	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9711	SCR	96	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9651	SCR	96	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9703	SCR	96	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9713	SCR	96	50	0
TL238	MCR106-6	SBN	GDL	SBN	TO-225	9712	SCR	96	50	0
TL220	SAC871K	SBN	GDL	SBN	TO-225	9702	TRIAC	96	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9652	TRIAC	96	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9702	TRIAC	96	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9703	TRIAC	96	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9704	TRIAC	96	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9709	TRIAC	96	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9710	TRIAC	96	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9711	TRIAC	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-225	26	1255	1.20E+05	5	0.40%
1993	TO-225	120	6000	5.76E+05	7	0.12%
1994	TO-225	176	8800	8.45E+05	0	0.00%
1995	TO-225	50	2500	2.40E+05	0	0.00%
1996	TO-225	116	5800	5.57E+05	0	0.00%
P197	TO-225	30	1500	1.44E+05	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL220	2N6071A	SBN	GDL	SBN	TO-225	9649	TRIAC	168	50	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	1000	50	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	168	50	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	168	50	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9650	TRIAC	168	50	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9706	TRIAC	168	50	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9713	TRIAC	168	50	0
TL220	2N6073B	SBN	GDL	SBN	TO-225	9651	TRIAC	168	50	0
TL220	2N6075A	SBN	GDL	SBN	TO-225	9707	TRIAC	168	50	0
TL220	2N6075A	SBN	GDL	SBN	TO-225	9708	TRIAC	168	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9650	SCR	168	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9652	SCR	168	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9702	SCR	168	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9709	SCR	168	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9649	SCR	168	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9706	SCR	168	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9707	SCR	168	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9708	SCR	168	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9711	SCR	168	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9651	SCR	168	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9703	SCR	168	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9713	SCR	168	50	0
TL238	MCR106-6	SBN	GDL	SBN	TO-225	9712	SCR	168	50	0
TL220	SAC871K	SBN	GDL	SBN	TO-225	9702	TRIAC	168	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9652	TRIAC	168	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9702	TRIAC	168	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9703	TRIAC	168	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9704	TRIAC	168	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9709	TRIAC	168	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9710	TRIAC	168	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9711	TRIAC	168	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-225	26	1255	2.11E+05	5	0.40%
1993	TO-225	100	5000	9.23E+05	0	0.00%
1994	TO-225	156	7800	1.35E+06	0	0.00%
1995	TO-225	53	2650	5.70E+05	0	0.00%
1996	TO-225	123	6150	1.32E+06	0	0.00%
P197	TO-225	31	1550	3.02E+05	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL220	2N6071A	SBN	GDL	SBN	TO-225	9649	TRIAC	8	22	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	8	22	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	8	22	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9650	TRIAC	8	22	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9706	TRIAC	8	22	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9713	TRIAC	8	22	0
TL220	2N6073B	SBN	GDL	SBN	TO-225	9651	TRIAC	8	22	0
TL220	2N6075A	SBN	GDL	SBN	TO-225	9707	TRIAC	8	22	0
TL220	2N6075A	SBN	GDL	SBN	TO-225	9708	TRIAC	8	22	0
TL236	C106D	SBN	GDL	SBN	TO-225	9650	SCR	8	22	0
TL236	C106D	SBN	GDL	SBN	TO-225	9652	SCR	8	22	0
TL236	C106D	SBN	GDL	SBN	TO-225	9702	SCR	8	22	0
TL236	C106D	SBN	GDL	SBN	TO-225	9709	SCR	8	22	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9649	SCR	8	22	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9706	SCR	8	22	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9707	SCR	8	22	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9708	SCR	8	22	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9711	SCR	8	22	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9651	SCR	8	22	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9703	SCR	8	22	0

SOLDERABILITY (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL236	C106M1	SBN	GDL	SBN	TO-225	9713	SCR	8	22	0
TL238	MCR106-6	SBN	GDL	SBN	TO-225	9712	SCR	8	22	0
TL220	SAC871K	SBN	GDL	SBN	TO-225	9702	TRIAC	8	22	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9652	TRIAC	8	22	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9702	TRIAC	8	22	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9703	TRIAC	8	22	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9704	TRIAC	8	22	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9709	TRIAC	8	22	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9710	TRIAC	8	22	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9711	TRIAC	8	22	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			
1992	TO-225	24	528	N/A		0	0.00%			
1993	TO-225	98	2156	N/A		0	0.00%			
1994	TO-225	155	3410	N/A		0	0.00%			
1995	TO-225	50	1100	N/A		0	0.00%			
1996	TO-225	116	2552	N/A		0	0.00%			
P197	TO-225	30	660	N/A		0	0.00%			

SOLDER HEAT

TEMPERATURE: +260°C

STRESS: 10 SECOND DIP

MIL-STD-750, Method 2031

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL220	2N6071A	SBN	GDL	SBN	TO-225	9649	TRIAC	1	22	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	1	22	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	1	22	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9650	TRIAC	1	22	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9706	TRIAC	1	22	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9713	TRIAC	1	22	0
TL220	2N6073B	SBN	GDL	SBN	TO-225	9651	TRIAC	1	22	0
TL220	2N6075A	SBN	GDL	SBN	TO-225	9707	TRIAC	1	22	0
TL220	2N6075A	SBN	GDL	SBN	TO-225	9708	TRIAC	1	22	0
TL236	C106D	SBN	GDL	SBN	TO-225	9650	SCR	1	22	0
TL236	C106D	SBN	GDL	SBN	TO-225	9652	SCR	1	22	0
TL236	C106D	SBN	GDL	SBN	TO-225	9702	SCR	1	22	0
TL236	C106D	SBN	GDL	SBN	TO-225	9709	SCR	1	22	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9649	SCR	1	22	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9706	SCR	1	22	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9707	SCR	1	22	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9708	SCR	1	22	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9711	SCR	1	22	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9651	SCR	1	22	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9703	SCR	1	22	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9713	SCR	1	22	0
TL238	MCR106-6	SBN	GDL	SBN	TO-225	9712	SCR	1	22	0
TL220	SAC871K	SBN	GDL	SBN	TO-225	9702	TRIAC	1	22	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9652	TRIAC	1	22	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9702	TRIAC	1	22	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9703	TRIAC	1	22	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9704	TRIAC	1	22	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9709	TRIAC	1	22	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9710	TRIAC	1	22	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9711	TRIAC	1	22	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			
1992	TO-225	26	572	N/A		8	1.40%			
1993	TO-225	98	2156	N/A		0	0.00%			
1994	TO-225	155	3410	N/A		0	0.00%			
1995	TO-225	50	1100	N/A		0	0.00%			
1996	TO-225	116	2552	N/A		0	0.00%			
P197	TO-225	30	660	N/A		0	0.00%			

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL220	2N6071A	SBN	GDL	SBN	TO-225	9649	TRIAC	200	50	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	1000	50	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	200	50	0
TL220	2N6071A	SBN	GDL	SBN	TO-225	9701	TRIAC	200	50	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9650	TRIAC	200	50	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9706	TRIAC	200	50	0
TL220	2N6071B	SBN	GDL	SBN	TO-225	9713	TRIAC	200	50	0
TL220	2N6073B	SBN	GDL	SBN	TO-225	9651	TRIAC	200	50	0
TL220	2N6075A	SBN	GDL	SBN	TO-225	9707	TRIAC	200	50	0
TL220	2N6075A	SBN	GDL	SBN	TO-225	9708	TRIAC	200	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9650	SCR	200	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9652	SCR	200	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9702	SCR	200	50	0
TL236	C106D	SBN	GDL	SBN	TO-225	9709	SCR	200	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9649	SCR	200	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9706	SCR	200	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9707	SCR	200	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9708	SCR	200	50	0
TL236	C106D1	SBN	GDL	SBN	TO-225	9711	SCR	200	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9651	SCR	200	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9703	SCR	200	50	0
TL236	C106M1	SBN	GDL	SBN	TO-225	9713	SCR	200	50	0
TL238	MCR106-6	SBN	GDL	SBN	TO-225	9712	SCR	200	50	0
TL220	SAC871K	SBN	GDL	SBN	TO-225	9702	TRIAC	200	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9652	TRIAC	200	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9702	TRIAC	200	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9703	TRIAC	200	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9704	TRIAC	200	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9709	TRIAC	200	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9710	TRIAC	200	50	0
TL220	SAC871RL	SBN	GDL	SBN	TO-225	9711	TRIAC	200	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-225	26	1255	2.51E+05	5	0.40%
1993	TO-225	122	6100	1.30E+06	0	0.00%
1994	TO-225	156	7800	1.60E+06	0	0.00%
1995	TO-225	53	2650	6.50E+05	0	0.00%
1996	TO-225	123	6150	1.51E+06	0	0.00%
P197	TO-225	31	1550	3.50E+05	0	0.00%

TO-226 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL281	LMAC94A4	MKL	PHX	MKL	TO-226	9703	TRAIC	96	100	0
TL281	LMAC94A4	MKL	PHX	MKL	TO-226	9703	TRAIC	240	100	0
TL281	LMAC94A4	MKL	PHX	MKL	TO-226	9703	TRAIC	504	100	0
TL281	LMAC94A4	MKL	PHX	MKL	TO-226	9706	TRAIC	96	100	0
TL281	MAC96A6	MKL	PHX	MKL	TO-226	9709	TRAIC	96	100	0
TL281	MAC96A6	MKL	PHX	MKL	TO-226	9709	TRAIC	504	88	0
TL281	MAC96A6	MKL	PHX	MKL	TO-226	9709	TRAIC	240	100	12
TL281	MAC97A4	MKL	PHX	MKL	TO-226	9705	TRAIC	96	100	0
TL281	MAC97A4	MKL	PHX	MKL	TO-226	9705	TRAIC	240	100	0
TL281	MAC97A4	MKL	PHX	MKL	TO-226	9705	TRAIC	504	100	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-226	47	3450	4.03E+05	0	0.00%
1993	TO-226	56	3000	5.17E+05	1	0.03%
1994	TO-226	69	4200	8.72E+05	1	0.02%
1995	TO-226	52	4650	9.02E+05	52	1.12%
1996	TO-226	18	1800	3.38E+05	6	0.33%
P197	TO-226	10	988	2.56E+05	12	1.21%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL281	LMAC94A4	MKL	PHX	MKL	TO-226	9703	TRAIC	120	100	0
TL281	LMAC94A4	MKL	PHX	MKL	TO-226	9706	TRAIC	120	100	0
TL281	MAC96A6	MKL	PHX	MKL	TO-226	9709	TRAIC	120	100	0
TL281	MAC97A4	MKL	PHX	MKL	TO-226	9705	TRAIC	120	100	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-226	14	700	7.32E+04	0	0.00%
1993	TO-226	32	1600	1.62E+05	0	0.00%
1994	TO-226	37	2050	2.34E+05	1	0.05%
1995	TO-226	32	2800	3.07E+05	2	0.07%
1996	TO-226	12	1200	1.34E+05	0	0.00%
P197	TO-226	4	400	4.80E+04	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
TL281	LMAC94A4	MKL	PHX	MKL	TO-226	9703	TRAIC	100	100	0
TL281	LMAC94A4	MKL	PHX	MKL	TO-226	9703	TRAIC	500	100	0
TL281	LMAC94A4	MKL	PHX	MKL	TO-226	9706	TRAIC	100	100	0
TL281	MAC96A6	MKL	PHX	MKL	TO-226	9709	TRAIC	100	100	0
TL281	MAC96A6	MKL	PHX	MKL	TO-226	9709	TRAIC	500	100	0
TL281	MAC97A4	MKL	PHX	MKL	TO-226	9705	TRAIC	500	99	0
TL281	MAC97A4	MKL	PHX	MKL	TO-226	9705	TRAIC	100	100	1

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-226	46	3400	5.40E+05	12	0.35%
1993	TO-226	51	2750	5.55E+05	3	0.11%
1994	TO-226	49	2700	5.10E+05	21	0.78%
1995	TO-226	27	2300	2.90E+05	28	1.22%
P197	TO-226	7	699	1.90E+05	1	0.14%

SUMMARY**AUTOCLAVE**

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	COMMENTS
TL281	MAC96A6	MKL	PHX	MKL	TO-226	9709	TRAIC	Moisture

HIGH TEMPERATURE REVERSE BIAS

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	COMMENTS
TL672	2N6508	GDL	GDL	GDL	TO-220	9704	SCR	REP#1-88 MOISTURE
TL672	2N6508	GDL	GDL	GDL	TO-220	9704	SCR	REP#1-187 MOISTURE

TEMPERATURE CYCLING

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	COMMENTS
TL281	MAC97A4	MKL	PHX	MKL	TO-226	9705	TRAIC	Crack

TMOS

HIGH VOLTAGE SERIES — METAL

HIGH TEMPERATURE GATE BIAS

TEMPERATURE: +150°C

STRESS: $V_{GS} = 100\%$

MIL-STD-750, Method 1042

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1996	HVS	6	1910	9.90E+04	0	2.78E+08	9.19E+06	55	90	3.25	8.30	98.18	250.62

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{DS} = 100\%$

MIL-STD-750, Method 1042

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1996	HVS	2	170	1.20E+04	0	3.36E+07	1.11E+06	55	90	26.81	68.44	809.95	2067.61

HIGH VOLTAGE ENERGY SERIES — METAL

HIGH TEMPERATURE GATE BIAS

TEMPERATURE: +150°C

STRESS: $V_{GS} = 100\%$

MIL-STD-750, Method 1042

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	HVES	5	250	5.38E+04	9	1.51E+08	4.99E+06	55	90	68.75	94.18	2077.17	2845.27
1994	HVES	5	250	3.00E+04	0	8.41E+07	2.78E+06	55	90	10.72	27.37	323.98	827.04
1995	HVES	3	150	1.80E+04	1	5.05E+07	1.67E+06	55	90	39.42	77.07	1190.98	2328.52

LOW VOLTAGE ENERGY SERIES — METAL

HIGH TEMPERATURE GATE BIAS

TEMPERATURE: +150°C

STRESS: $V_{GS} = 100\%$

MIL-STD-750, Method 1042

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	LVES	4	200	2.40E+04	0	6.73E+07	2.23E+06	55	90	13.40	34.22	404.98	1033.80
1993	LVES	1	50	6.00E+03	0	1.68E+07	5.57E+05	55	90	53.62	136.87	1619.90	4135.21
1994	LVES	6	300	3.60E+04	1	1.01E+08	3.34E+06	55	90	19.71	38.54	595.49	1164.26
1995	LVES	4	200	2.40E+04	0	6.73E+07	2.23E+06	55	90	13.40	34.22	404.98	1033.80
1996	LVES	1	120	6.00E+03	0	1.68E+07	5.57E+05	55	90	53.62	136.87	1619.90	4135.21

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{DS} = 100\%$

MIL-STD-750, Method 1042

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS			
PF3194	IRF250	GDL	PHX	GDL	TO-204	9706	LVES	120	50	0			
SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1996	LVES	1	120	6.00E+03	0	1.68E+07	5.57E+05	55	90	53.62	136.87	1619.9	4135.21
P197	LVES	1	50	6.00E+03	0	1.68E+07	5.57E+05	55	90	53.62	136.87	1619.9	4135.21

LOW VOLTAGE SERIES — METAL

HIGH TEMPERATURE GATE BIAS

TEMPERATURE: +150°C

STRESS: $V_{GS} = 100\%$

MIL-STD-750, Method 1042

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	LVS	3	150	2.04E+04	3	5.72E+07	1.89E+06	55	90	71.99	116.80	2174.89	3528.84
1994	LVS	5	250	3.00E+04	0	8.41E+07	2.78E+06	55	90	10.72	27.37	323.98	827.04
1995	LVS	5	250	3.00E+04	4	8.41E+07	2.78E+06	55	90	61.46	95.03	1856.78	2871.12

HIGH VOLTAGE ENERGY SERIES — PLASTIC

HIGH TEMPERATURE GATE BIAS

TEMPERATURE: +150°C

STRESS: $V_{GS} = 100\%$

MIL-STD-750, Method 1042

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFA6442	IRF830	GDL	PHX	GDL	TO-220	9711	HVES	120	50	0
PFC6242	MTD2N50E1	SBN	PHX	SBN	TO-252	9650	HVES	96	50	0
PFC8182	MTD4N20E	SBN	PHX	SBN	TO-252	9707	HVES	96	50	0
PFC8182	MTD4N20E1	SBN	PHX	SBN	TO-252	9712	HVES	96	50	0
PFC6400	MTD5N25E	SBN	PHX	SBN	TO-252	9704	HVES	96	50	0
PFC6400	MTD5N25E1	SBN	PHX	SBN	TO-252	9706	HVES	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	HVES	3	90	1.00E+05	0	2.81E+08	9.29E+06	55	90	3.21	8.21	97.12	247.91
1993	HVES	3	145	5.46E+04	0	1.53E+08	5.07E+06	55	90	5.89	15.04	178.01	454.42
1994	HVES	4	120	1.65E+05	0	4.63E+08	1.53E+07	55	90	1.95	4.97	58.86	150.26
1995	HVES	3	145	1.96E+04	0	5.48E+07	1.82E+06	55	90	16.45	41.99	496.90	1268.47
1996	HVES	12	740	6.36E+04	0	1.78E+08	5.90E+06	55	90	5.06	12.91	152.82	390.11
P197	HVES	6	300	3.00E+04	0	8.41E+07	2.78E+06	55	90	10.72	27.37	323.98	827.04

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{DS} = 100\%$

MIL-STD-750, Method 1042

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFA6442	IRF830	GDL	PHX	GDL	TO-220	9711	HVES	120	50	0
PFC6242	MTD2N50E1	SBN	PHX	SBN	TO-252	9650	HVES	96	50	0
PFC8182	MTD4N20E	SBN	PHX	SBN	TO-252	9707	HVES	96	50	0
PFC8182	MTD4N20E1	SBN	PHX	SBN	TO-252	9712	HVES	96	50	0
PFC6400	MTD5N25E	SBN	PHX	SBN	TO-252	9704	HVES	96	50	0
PFC6400	MTD5N25E1	SBN	PHX	SBN	TO-252	9706	HVES	96	50	0
PFA6250R	STR6250	GDL	IR	GDL	TO-220	9711	HVES	120	50	0
PFA6250R	STR6250	GDL	IR	GDL	TO-220	9711	HVES	120	50	0
PFA6650R	STR6650	GDL	IR	GDL	TO-220	9702	HVES	120	50	1
PFA6650R	STR6650	GDL	IR	GDL	TO-220	9707	HVES	120	50	0
PFA6650R	STR6650	GDL	IR	GDL	TO-220	9707	HVES	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	HVES	4	150	5.02E+04	0	1.41E+08	4.66E+06	55	90	6.41	16.37	193.77	494.64
1993	HVES	8	370	2.80E+05	0	7.84E+08	2.59E+07	55	90	1.15	2.94	34.76	88.74
1994	HVES	14	680	8.30E+04	1	2.33E+08	7.71E+06	55	90	8.55	16.71	258.16	504.74
1995	HVES	17	790	1.49E+05	18	4.18E+08	1.38E+07	55	90	47.33	59.24	1430.06	1789.69
1996	HVES	21	1400	1.14E+05	1	3.20E+08	1.06E+07	55	90	6.22	12.17	188.05	367.66
P197	HVES	11	550	6.00E+04	1	1.68E+08	5.57E+06	55	90	11.83	23.12	357.29	698.55

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{DS} = 100\%$

MIL-STD-750, Method 1042

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	HVES	3	150	1.01E+04	3	3.12E+07	7.46E+05	60	100	131.92	214.05	5519.16	8955.04

HIGH VOLTAGE SERIES — PLASTIC

HIGH TEMPERATURE GATE BIAS

TEMPERATURE: +150°C

STRESS: $V_{GS} = 100\%$

MIL-STD-750, Method 1042

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1996	HVS	14	2590	1.47E+05	0	4.12E+08	1.36E+07	55	90	2.19	5.59	66.12	168.78

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{DS} = 80\%$

MIL-STD-750, Method 1042

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS			
MT8336E	MMFT2N25ET3	SBN	PHX	SBN	SOT-223	9710	HVS	96	56	0			
SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1996	HVS	4	200	1.12E+05	0	3.14E+08	1.04E+07	55	90	2.87	7.33	86.78	221.53
P197	HVS	1	56	5.38E+03	0	1.51E+07	4.99E+05	55	90	59.84	152.76	1807.93	4615.19

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{DS} = 100\%$

MIL-STD-750, Method 1042

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS			
PFR6540	MTY30N50E	SUB	PHX	SUB	TO-264	9634	HVS	1000	50	0			
PFR6540	MTY30N50E	SUB	PHX	SUB	TO-264	9705	HVS	120	50	0			
PFR6540	MTY30N50E	SUB	PHX	SUB	TO-264	9705	HVS	120	50	0			
PFR6540	MTY30N50E	SUB	PHX	SUB	TO-264	9705	HVS	120	50	0			
PFR6540	MTY30N50E	SUB	PHX	SUB	TO-264	9709	HVS	120	50	0			
PFA8700R	STR8700	GDL	IR	GDL	TO-220	9709	HVS	120	50	0			
PFA8700R	STR8700	GDL	IR	GDL	TO-220	9709	HVS	120	50	1			
SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1996	HVS	15	2570	1.97E+05	9	5.52E+08	1.83E+07	55	90	18.78	25.72	567.27	777.03
P197	HVS	7	350	8.60E+04	1	2.41E+08	7.98E+06	55	90	8.25	16.13	249.28	487.36

LOGIC LEVEL — PLASTIC

HIGH TEMPERATURE GATE BIAS

TEMPERATURE: +150°C

STRESS: $V_{GS} = 100\%$

MIL-STD-750, Method 1042

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS			
PFC3748	MLD1N06CLT4	SBN	PHX	SBN	TO-252	9703	LL	96	50	0			
PFA3458	STP8006	GDL	PHX	GDL	TO-220	9705	LL	120	50	0			
PFA3792	STP8022	SBN	PHX	SBN	TO220	9649	LL	96	50	0			
PFA3792	STP8022	SBN	PHX	SBN	TO220	9651	LL	96	50	0			
PFA3792	STP8022	SBN	PHX	SBN	TO220	9652	LL	96	50	0			
PFA3792	STP8022	SBN	PHX	SBN	TO220	9703	LL	96	50	0			
PFA3792	STP8022	SBN	PHX	SBN	TO220	9705	LL	96	50	0			
PFA3792	STP8022	SBN	PHX	SBN	TO220	9706	LL	96	50	0			
PFA3792	STP8022	SBN	PHX	SBN	TO220	9709	LL	96	50	0			
PFA3790	STP8036	SBN	PHX	SBN	TO220	9648	LL	96	50	0			
PFA3790	STP8036	SBN	PHX	SBN	TO220	9707	LL	96	50	0			
PFA3794	STP8037LFBR	SBN	PHX	SBN	TO220	9650	LL	96	50	0			
PFA3794	STP8037LFBR	SBN	PHX	SBN	TO220	9701	LL	96	50	0			
PFA3794	STP8037LFBR	SBN	PHX	SBN	TO220	9701	LL	1000	50	0			
PFA3794	STP8037LFBR	SBN	PHX	SBN	TO220	9701	LL	96	50	0			
PFA3794	STP8037LFBR	SBN	PHX	SBN	TO220	9711	LL	96	50	0			
PFA3794	STP8037LFBR	SBN	PHX	SBN	TO220	9712	LL	96	50	0			
PFA3794	STP8038	SBN	PHX	SBN	TO220	9647	LL	96	50	0			
PFA3794	STP8038	SBN	PHX	SBN	TO220	9713	LL	96	50	0			
PFA3792	STP8053	SBN	PHX	SBN	TO220	9702	LL	96	50	0			
PFA3798	STP8055	SBN	PHX	SBN	TO220	9704	LL	96	50	0			
PFA3798	STP8055	SBN	PHX	SBN	TO220	9710	LL	96	50	0			
SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	LL	13	650	6.24E+04	0	1.75E+08	5.79E+06	55	90	5.16	13.16	155.76	397.62
1993	LL	40	2000	1.92E+05	13	5.38E+08	1.78E+07	55	90	26.93	35.22	813.57	1063.96
1994	LL	76	3772	4.07E+05	0	1.14E+09	3.78E+07	55	90	0.79	2.02	23.86	60.91
1995	LL	47	2350	3.16E+05	0	8.86E+08	2.93E+07	55	90	1.02	2.60	30.76	78.52
1996	LL	69	3450	5.14E+05	1	1.44E+09	4.77E+07	55	90	1.38	2.70	41.68	81.48
P197	LL	22	1100	1.52E+05	0	4.26E+08	1.41E+07	55	90	2.12	5.40	63.94	163.23

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{DS} = 80\%$

MIL-STD-750, Method 1042

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1994	LL	1	49	4.70E+03	0	1.32E+07	4.37E+05	55	90	68.39	174.59	2066.20	5274.50
1995	LL	4	224	2.15E+04	0	6.03E+07	2.00E+06	55	90	14.96	38.19	451.98	1153.80
1996	LL	2	112	1.08E+04	0	3.01E+07	9.98E+05	55	90	29.92	76.38	903.96	2307.60

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{DS} = 100\%$

MIL-STD-750, Method 1042

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFC3748	MLD1N06CLT4	SBN	PHX	SBN	TO-252	9703	LL	96	50	0
PFA3458	STP8006	GDL	PHX	GDL	TO-220	9705	LL	120	50	0
PFA3792	STP8022	SBN	PHX	SBN	TO220	9649	LL	96	50	0
PFA3792	STP8022	SBN	PHX	SBN	TO220	9651	LL	96	50	0
PFA3792	STP8022	SBN	PHX	SBN	TO220	9652	LL	96	50	0
PFA3792	STP8022	SBN	PHX	SBN	TO220	9703	LL	96	50	0
PFA3792	STP8022	SBN	PHX	SBN	TO220	9705	LL	96	50	0
PFA3792	STP8022	SBN	PHX	SBN	TO220	9706	LL	96	50	0
PFA3792	STP8022	SBN	PHX	SBN	TO220	9709	LL	96	50	0
PFA3790	STP8036	SBN	PHX	SBN	TO220	9648	LL	96	50	0
PFA3790	STP8036	SBN	PHX	SBN	TO220	9707	LL	96	50	0
PFA3794	STP8037LFBR	SBN	PHX	SBN	TO220	9650	LL	96	50	0
PFA3794	STP8037LFBR	SBN	PHX	SBN	TO220	9701	LL	96	50	0
PFA3794	STP8037LFBR	SBN	PHX	SBN	TO220	9701	LL	1000	50	0
PFA3794	STP8037LFBR	SBN	PHX	SBN	TO220	9701	LL	96	50	0
PFA3794	STP8037LFBR	SBN	PHX	SBN	TO220	9711	LL	96	50	0
PFA3794	STP8037LFBR	SBN	PHX	SBN	TO220	9712	LL	96	50	0
PFA3794	STP8038	SBN	PHX	SBN	TO220	9647	LL	96	50	0
PFA3794	STP8038	SBN	PHX	SBN	TO220	9713	LL	96	50	0
PFA3792	STP8053	SBN	PHX	SBN	TO220	9702	LL	96	50	0
PFA3798	STP8055	SBN	PHX	SBN	TO220	9704	LL	96	50	0
PFA3798	STP8055	SBN	PHX	SBN	TO220	9710	LL	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	LL	16	795	7.63E+04	0	2.14E+08	7.08E+06	55	90	4.22	10.76	127.35	325.10
1993	LL	48	2400	2.76E+05	0	7.73E+08	2.56E+07	55	90	1.17	2.98	35.27	90.03
1994	LL	78	3900	4.20E+05	0	1.18E+09	3.89E+07	55	90	0.77	1.96	23.16	59.13
1995	LL	49	2450	3.71E+05	0	1.04E+09	3.44E+07	55	90	0.87	2.21	26.21	66.91
1996	LL	74	3700	5.40E+05	1	1.51E+09	5.01E+07	55	90	1.32	2.57	39.73	77.67
P197	LL	22	1100	1.52E+05	0	4.26E+08	1.41E+07	55	90	2.12	5.40	63.94	163.23

LOW VOLTAGE ENERGY SERIES — PLASTIC**HIGH TEMPERATURE GATE BIAS**

TEMPERATURE: +150°C

STRESS: $V_{GS} = 100\%$

MIL-STD-750, Method 1042

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFC4310	MTD20N03HD	SBN	AIZU	SBN	TO-252	9701	LVES	96	50	0
PFC4316	MTD20N03HDL1	SBN	AIZU	SBN	TO-252	9652	LVES	96	50	0
PFC9610	MTD20N06HDT4	SBN	AIZU	SBN	TO-252	9702	LVES	96	50	0
PFC4311	MTD20P03HDL	SBN	AIZU	SBN	TO-252	9648	LVES	96	50	0
PFC6144	MTD9N10E	SBN	AIZU	SBN	TO-252	9709	LVES	96	50	0
PFF10440	MTP36N06V	GDL	PHX	GDL	TO-220	9702	LVES	120	50	0
PFF10440	MTP36N06V	GDL	PHX	GDL	TO-220	9713	LVES	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	LVES	3	110	1.49E+04	0	4.17E+07	1.38E+06	55	90	21.62	55.19	653.19	1667.42
1993	LVES	47	2350	2.26E+05	0	6.33E+08	2.09E+07	55	90	1.43	3.64	43.08	109.98
1994	LVES	43	2150	2.06E+05	0	5.79E+08	1.92E+07	55	90	1.56	3.98	47.09	120.21
1995	LVES	16	800	7.68E+04	0	2.15E+08	7.13E+06	55	90	4.19	10.69	126.55	323.06
1996	LVES	37	2130	2.86E+05	0	8.02E+08	2.65E+07	55	90	1.12	2.87	33.98	86.75
P197	LVES	7	350	3.60E+04	0	1.01E+08	3.34E+06	55	90	8.94	22.81	269.98	689.20

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{DS} = 100\%$

MIL-STD-750, Method 1042

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFC4310	MTD20N03HD	SBN	AIZU	SBN	TO-252	9701	LVES	96	50	0
PFC4316	MTD20N03HDL1	SBN	AIZU	SBN	TO-252	9652	LVES	96	50	0
PFC9610	MTD20N06HDT4	SBN	AIZU	SBN	TO-252	9702	LVES	96	50	0
PFC4311	MTD20P03HDL	SBN	AIZU	SBN	TO-252	9648	LVES	96	50	0
PFC6144	MTD9N10E	SBN	AIZU	SBN	TO-252	9709	LVES	96	50	0
PFA8611	MTP2955E	GDL	PHX	GDL	TO-220	9707	LVES	120	50	0
PFF10440	MTP36N06V	GDL	PHX	GDL	TO-220	9702	LVES	120	50	2
PFF10440	MTP36N06V	GDL	PHX	GDL	TO-220	9713	LVES	120	50	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9705	LVES	120	50	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9705	LVES	120	50	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9708	LVES	120	50	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9708	LVES	120	50	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9712	LVES	120	50	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9712	LVES	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	LVES	7	340	3.62E+04	0	1.02E+08	3.36E+06	55	90	8.88	22.66	268.20	684.64
1993	LVES	54	2700	2.65E+05	0	7.44E+08	2.46E+07	55	90	1.21	3.10	36.65	93.56
1994	LVES	48	2400	2.36E+05	0	6.63E+08	2.19E+07	55	90	1.36	3.47	41.11	104.95
1995	LVES	29	1450	1.55E+05	6	4.34E+08	1.44E+07	55	90	16.72	24.27	505.25	733.12
1996	LVES	46	2720	4.26E+05	3	1.19E+09	3.95E+07	55	90	3.45	5.60	104.25	169.15
P197	LVES	14	700	7.80E+04	2	2.19E+08	7.24E+06	55	90	13.99	24.34	422.59	735.26

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{DS} = 100\%$

MIL-STD-750, Method 1042

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	LVES	5	250	1.68E+04	7	5.20E+07	1.24E+06	60	100	159.53	226.28	6674.06	9466.73

LOW VOLTAGE SERIES — PLASTIC**HIGH TEMPERATURE GATE BIAS**

TEMPERATURE: +150°C

STRESS: $V_{GS} = 100\%$

MIL-STD-750, Method 1042

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFC8611	MTD2955ET1	SBN	PHX	SBN	TO-252	9710	LVS	96	50	0
PFC2358	MTD3055ET4	SBN	PHX	SBN	TO-252	9651	LVS	96	50	0
PFC4420	MTD3055V	SBN	PHX	SBN	TO-252	9708	LVS	96	50	0
PFC6420	MTD3055VL1	SBN	PHX	SBN	TO-252	9705	LVS	96	50	0
PFC16420	MTD3055VLT4	SBN	PHX	SBN	TO-252	9649	LVS	96	50	0
PFC14420	MTD3055VT4	SBN	PHX	SBN	TO-252	9713	LVS	96	50	0
PFC2394	STD1011ET4	SBN	AIZU	SBN	TO-252	9711	LVS	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	LVS	10	475	8.84E+04	8	2.48E+08	8.21E+06	55	90	37.65	52.41	1137.48	1583.25
1993	LVS	52	2560	2.50E+05	50	7.01E+08	2.32E+07	55	90	74.86	86.06	2261.58	2599.94
1994	LVS	38	1740	4.54E+05	0	1.27E+09	4.22E+07	55	90	0.71	1.81	21.39	54.60
1995	LVS	18	875	2.65E+05	9	7.43E+08	2.46E+07	55	90	13.96	19.13	421.83	577.82
1996	LVS	25	1250	1.30E+05	1	3.63E+08	1.20E+07	55	90	5.48	10.70	165.41	323.40
P197	LVS	7	350	3.36E+04	0	9.42E+07	3.12E+06	55	90	9.57	24.44	289.27	738.43

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{DS} = 80\%$

MIL-STD-750, Method 1042

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
MT2537E	MMFT29556T1	SBN	PHX	SBN	SOT-223	9701	LVS	96	56	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1996	LVS	10	656	5.63E+04	0	1.58E+08	5.22E+06	55	90	5.72	14.60	172.77	441.04
P197	LVS	1	56	5.38E+03	0	1.51E+07	4.99E+05	55	90	59.84	152.76	1807.93	4615.19

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +150°C

STRESS: $V_{DS} = 100\%$

MIL-STD-750, Method 1042

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFA2188	IRF630	GDL	PHX	GDL	TO-220	9709	LVS	120	50	0
PFC8611	MTD2955ET1	SBN	PHX	SBN	TO-252	9710	LVS	96	50	0
PFC2358	MTD3055ET4	SBN	PHX	SBN	TO-252	9651	LVS	96	50	0
PFC4420	MTD3055V	SBN	PHX	SBN	TO-252	9708	LVS	96	50	0
PFC6420	MTD3055VL1	SBN	PHX	SBN	TO-252	9705	LVS	96	50	0
PFC16420	MTD3055VLT4	SBN	PHX	SBN	TO-252	9649	LVS	96	50	0
PFC14420	MTD3055VT4	SBN	PHX	SBN	TO-252	9713	LVS	96	50	0
PFA10420	MTP3055V	GDL	PHX	GDL	TO-220	9708	LVS	120	50	0
PFC2394	STD1011ET4	SBN	AIZU	SBN	TO-252	9711	LVS	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1992	LVS	14	680	1.49E+05	1	4.18E+08	1.38E+07	55	90	4.76	9.31	143.84	281.22
1993	LVS	56	2800	2.69E+05	0	7.54E+08	2.49E+07	55	90	1.20	3.06	36.16	92.30
1994	LVS	35	1690	5.89E+05	1	1.65E+09	5.47E+07	55	90	1.20	2.35	36.38	71.14
1995	LVS	28	1300	2.75E+05	6	7.71E+08	2.55E+07	55	90	9.42	13.67	284.54	412.86
1996	LVS	48	4360	3.31E+05	4	9.27E+08	3.07E+07	55	90	5.58	8.62	168.49	260.54
P197	LVS	9	450	4.56E+04	0	1.28E+08	4.23E+06	55	90	7.06	18.01	213.14	544.11

HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +160°C

STRESS: $V_{DS} = 100\%$

MIL-STD-750, Method 1042

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUM HRS	RESULTS	EQ HRS-T1	EQ HRS-T2	T1	T2	60% CL-T1	90% CL-T1	60% CL-T2	90% CL-T2
1995	LVS	4	200	1.34E+04	2	4.16E+07	9.95E+05	60	100	73.51	127.89	3075.25	5350.59

TO-204 (TO-3) — METAL**HIGH TEMPERATURE STORAGE LIFE**

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-204	8	400	4.80E+04	0	0.00%
1993	TO-204	4	200	2.40E+04	0	0.00%
1994	TO-204	24	1165	2.34E+05	15	1.29%
1995	TO-204	13	636	2.74E+05	4	0.63%
1996	TO-204	7	2030	1.05E+05	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: $P_D = 100\%$, $t_{on} = 15$ SEC, $t_{off} = 30$ SEC

MIL-STD-750, Method 1037

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-204	1	36	3.60E+04	0	0.00%
1993	TO-204	4	158	1.58E+05	0	0.00%
1994	TO-204	9	338	3.38E+05	0	0.00%
1995	TO-204	6	216	5.04E+05	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-204	13	170	N/A	0	0.00%
1993	TO-204	6	60	N/A	0	0.00%
1994	TO-204	24	280	N/A	0	0.00%
1995	TO-204	16	160	N/A	0	0.00%
1996	TO-204	6	30	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR $\geq$ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-204	13	650	6.10E+04	23	3.54%
1993	TO-204	4	200	2.00E+04	0	0.00%
1994	TO-204	25	1231	1.94E+05	19	1.54%
1995	TO-204	19	944	3.06E+05	4	0.42%
1996	TO-204	4	350	2.00E+04	5	1.43%

CASE-806 — PLASTIC**AUTOCLAVE**

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9646	TMOS	96	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9646	TMOS	96	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9646	TMOS	96	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9646	TMOS	96	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9646	TMOS	96	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9646	TMOS	96	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9647	TMOS	96	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9647	TMOS	96	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9647	TMOS	96	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9647	TMOS	96	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9647	TMOS	96	50	0
PME5203	MPM3003	SUB	PHX	SUB	CASE-806	9638	TMOS	96	50	0
PME5203	MPM3003	SUB	PHX	SUB	CASE-806	9638	TMOS	96	50	0
PME5203	MPM3003	SUB	PHX	SUB	CASE-806	9646	TMOS	96	50	0
PME5203	MPM3003	SUB	PHX	SUB	CASE-806	9646	TMOS	96	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	CASE-806	16	792	5.28E+04	0	0.00%
P197	CASE-806	14	700	6.72E+04	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 3.0 WATTS, DELTA TC = 90°C

MIL-STD-750, Method 1037

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	CASE-806	4	200	1.75E+05	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR $\geq$ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9646	TMOS	1000	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9646	TMOS	1000	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9646	TMOS	1000	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9646	TMOS	500	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9646	TMOS	1000	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9646	TMOS	1000	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9647	TMOS	1000	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9647	TMOS	1000	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9647	TMOS	1000	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9647	TMOS	1000	50	0
PME5202	MPM3002	SUB	PHX	SUB	CASE-806	9647	TMOS	1000	50	0
PME5203	MPM3003	SUB	PHX	SUB	CASE-806	9638	TMOS	1000	50	0
PME5203	MPM3003	SUB	PHX	SUB	CASE-806	9638	TMOS	1000	50	0
PME5203	MPM3003	SUB	PHX	SUB	CASE-806	9646	TMOS	1000	50	0
PME5203	MPM3003	SUB	PHX	SUB	CASE-806	9646	TMOS	1000	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1996	CASE-806	16	2600	3.95E+05	0	0.00%
P197	CASE-806	14	700	6.75E+05	0	0.00%

TO-220 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFA2188	IRF630	GDL	PHX	GDL	TO-220	9709	LVS	48	50	0
PFA6442	IRF830	GDL	PHX	GDL	TO-220	9711	HVES	48	50	0
PFA8611	MTP2955E	GDL	PHX	GDL	TO-220	9707	LVES	48	50	0
PFA10420	MTP3055V	GDL	PHX	GDL	TO-220	9708	LVS	48	50	0
PFF10440	MTP36N06V	GDL	PHX	GDL	TO-220	9702	LVES	48	50	0
PFF10440	MTP36N06V	GDL	PHX	GDL	TO-220	9713	LVES	48	50	0
PFA3458	STP8006	GDL	PHX	GDL	TO-220	9705	LL	48	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	68	3148	2.80E+05	0	0.00%
1993	TO-220	74	3635	3.37E+05	0	0.00%
1994	TO-220	94	4620	4.04E+05	12	0.26%
1995	TO-220	98	4897	3.36E+05	35	0.71%
1996	TO-220	133	6700	4.68E+05	13	0.19%
P197	TO-220	7	350	1.68E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFA2188	IRF630	GDL	PHX	GDL	TO-220	9709	LVS	120	50	0
PFA6442	IRF830	GDL	PHX	GDL	TO-220	9711	HVES	120	50	0
PFA8611	MTP2955E	GDL	PHX	GDL	TO-220	9707	LVES	120	50	0
PFA10420	MTP3055V	GDL	PHX	GDL	TO-220	9708	LVS	120	50	0
PFF10440	MTP36N06V	GDL	PHX	GDL	TO-220	9713	LVES	120	50	0
PFA3458	STP8006	GDL	PHX	GDL	TO-220	9705	LL	120	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	61	2885	4.70E+05	0	0.00%
1993	TO-220	60	3000	5.38E+05	0	0.00%
1994	TO-220	82	4100	7.43E+05	1	0.02%
1995	TO-220	77	3848	8.41E+05	3	0.08%
1996	TO-220	110	7600	1.04E+06	0	0.00%
P197	TO-220	6	300	3.60E+04	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 3.0 WATTS, DELTA TC = 90°C

MIL-STD-750, Method 1037

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFA6250R	STR6250	GDL	IR	GDL	TO-220	9711	HVES	2000	50	0
PFA6650R	STR6650	GDL	IR	GDL	TO-220	9702	HVES	2000	50	0
PFA6650R	STR6650	GDL	IR	GDL	TO-220	9707	HVES	2000	50	0
PFA8700R	STR8700	GDL	IR	GDL	TO-220	9709	HVS	2000	50	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9705	LVES	2000	50	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9708	LVES	2000	50	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9712	LVES	2000	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	22	1060	1.02E+05	0	0.00%
1993	TO-220	58	2606	7.91E+05	0	0.00%
1994	TO-220	64	2362	1.51E+06	0	0.00%
1995	TO-220	47	1930	2.28E+06	0	0.00%
1996	TO-220	39	3850	2.26E+06	0	0.00%
P197	TO-220	7	350	7.00E+05	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFA2188	IRF630	GDL	PHX	GDL	TO-220	9709	LVS	4	10	0
PFA6442	IRF830	GDL	PHX	GDL	TO-220	9711	HVES	4	10	0
PFA8611	MTP2955E	GDL	PHX	GDL	TO-220	9707	LVES	4	10	0
PFA10420	MTP3055V	GDL	PHX	GDL	TO-220	9708	LVS	4	10	0
PFF10440	MTP36N06V	GDL	PHX	GDL	TO-220	9702	LVES	4	10	0
PFF10440	MTP36N06V	GDL	PHX	GDL	TO-220	9713	LVES	4	10	0
PFA3458	STP8006	GDL	PHX	GDL	TO-220	9705	LL	4	10	0
PFA6250R	STR6250	GDL	IR	GDL	TO-220	9711	HVES	4	10	0
PFA6650R	STR6650	GDL	IR	GDL	TO-220	9702	HVES	4	10	0
PFA6650R	STR6650	GDL	IR	GDL	TO-220	9707	HVES	4	10	0
PFA8700R	STR8700	GDL	IR	GDL	TO-220	9709	HVS	4	10	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9705	LVES	4	10	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9708	LVES	4	10	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9712	LVES	4	10	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	47	938	N/A	0	0.00%
1993	TO-220	61	1282	N/A	0	0.00%
1994	TO-220	80	1520	N/A	0	0.00%
1995	TO-220	90	1360	N/A	0	0.00%
1996	TO-220	127	1864	N/A	0	0.00%
P197	TO-220	14	140	N/A	0	0.00%

SOLDER HEAT

TEMPERATURE: +260°C

STRESS: 10 SECOND DIP

MIL-STD-750, Method 2031

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	53	1166	N/A	0	0.00%
1993	TO-220	56	1232	N/A	0	0.00%
1994	TO-220	60	1320	N/A	0	0.00%
1995	TO-220	35	770	N/A	0	0.00%
1996	TO-220	60	1320	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR $\geq$ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFA2188	IRF630	GDL	PHX	GDL	TO-220	9709	LVS	100	50	0
PFA6442	IRF830	GDL	PHX	GDL	TO-220	9711	HVES	100	50	0
PFA8611	MTP2955E	GDL	PHX	GDL	TO-220	9707	LVES	100	50	0
PFA10420	MTP3055V	GDL	PHX	GDL	TO-220	9708	LVS	100	50	0
PFF10440	MTP36N06V	GDL	PHX	GDL	TO-220	9702	LVES	100	50	0
PFF10440	MTP36N06V	GDL	PHX	GDL	TO-220	9713	LVES	100	50	0
PFA3458	STP8006	GDL	PHX	GDL	TO-220	9705	LL	100	50	0
PFA6250R	STR6250	GDL	IR	GDL	TO-220	9711	HVES	100	50	0
PFA6650R	STR6650	GDL	IR	GDL	TO-220	9702	HVES	100	50	1
PFA6650R	STR6650	GDL	IR	GDL	TO-220	9707	HVES	100	50	0
PFA8700R	STR8700	GDL	IR	GDL	TO-220	9709	HVS	100	50	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9705	LVES	100	50	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9708	LVES	100	50	0
PFA9250R	STR9250	GDL	IR	GDL	TO-220	9712	LVES	100	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220	65	3003	5.62E+05	0	0.00%
1993	TO-220	74	3655	7.41E+05	0	0.00%
1994	TO-220	85	4190	8.56E+05	3	0.07%
1995	TO-220	102	5098	1.14E+06	1	0.02%
1996	TO-220	139	10800	1.31E+06	0	0.00%
P197	TO-220	14	700	7.00E+04	1	0.14%

TO-220 (ISOLATED) — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	12	570	5.47E+04	0	0.00%
1993	TO-220ISO	39	1950	1.87E+05	0	0.00%
1994	TO-220ISO	8	400	3.84E+04	0	0.00%
1995	TO-220ISO	4	200	1.92E+04	0	0.00%

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	12	570	9.58E+04	0	0.00%
1993	TO-220ISO	30	1500	2.52E+05	0	0.00%
1994	TO-220ISO	9	450	1.17E+05	0	0.00%
1995	TO-220ISO	5	250	8.36E+04	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 3.0 WATTS, DELTA TC = 90°C

MIL-STD-750, Method 1037

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	1	50	4.80E+03	0	0.00%
1993	TO-220ISO	30	1388	1.33E+05	0	0.00%
1994	TO-220ISO	9	324	3.88E+05	0	0.00%
1995	TO-220ISO	3	150	5.10E+05	0	0.00%

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	12	264	N/A	0	0.00%
1993	TO-220ISO	30	660	N/A	0	0.00%
1994	TO-220ISO	8	176	N/A	0	0.00%
1995	TO-220ISO	4	88	N/A	0	0.00%

SOLDER HEAT

TEMPERATURE: +260°C

STRESS: 10 SECOND DIP

MIL-STD-750, Method 2031

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	12	264	N/A	0	0.00%
1993	TO-220ISO	30	660	N/A	0	0.00%
1994	TO-220ISO	8	176	N/A	0	0.00%
1995	TO-220ISO	4	88	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-220ISO	12	570	1.14E+05	0	0.00%
1993	TO-220ISO	39	1950	3.90E+05	0	0.00%
1994	TO-220ISO	9	450	1.30E+05	0	0.00%
1995	TO-220ISO	5	250	9.00E+04	0	0.00%

TO-247 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-247	2	60	5.76E+03	0	0.00%
1993	TO-247	1	45	7.56E+03	0	0.00%
1994	TO-247	9	270	4.03E+04	0	0.00%
1995	TO-247	7	292	4.10E+04	0	0.00%

HIGH HUMIDITY HIGH TEMPERATURE REVERSE BIAS

TEMPERATURE: +85°C

STRESS: rh = 85%, V_{AK} = 80%

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1994	TO-247	7	225	7.28E+05	0	0.00%
1995	TO-247	6	270	1.58E+05	0	0.00%

HIGHLY ACCELERATED STRESS TESTING

TEMPERATURE: +135°C

STRESS: rh = 85%, V_{CES} = 80%

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1993	TO-247	1	45	8.64E+03	0	0.00%
1994	TO-247	6	180	5.76E+04	0	0.00%
1995	TO-247	4	180	3.46E+04	0	0.00%

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 100%, t_{on} = 15 SEC, t_{off} = 30 SEC

MIL-STD-750, Method 1037

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-247	1	30	6.00E+05	0	0.00%
1993	TO-247	1	45	4.50E+05	0	0.00%
1994	TO-247	5	150	2.70E+06	0	0.00%
1995	TO-247	5	165	1.65E+06	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR ≥ 10 MINUTE DWELL

MIL-STD-750, Method 1051

NOTE: NO TEST DATA FOR THIS PERIOD

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-247	4	150	1.50E+04	0	0.00%
1993	TO-247	3	135	1.13E+05	0	0.00%
1994	TO-247	8	270	8.10E+04	0	0.00%
1995	TO-247	6	270	1.89E+05	0	0.00%

TO-252 — PLASTIC

AUTOCLAVE

TEMPERATURE: +121°C

STRESS: rh = 100%, p = 15 psig

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFC3748	MLD1N06CLT4	SBN	PHX	SBN	TO-252	9703	LL	96	50	0
PFC4310	MTD20N03HD	SBN	AIZU	SBN	TO-252	9701	LVES	96	50	0
PFC4316	MTD20N03HDL1	SBN	AIZU	SBN	TO-252	9652	LVES	96	50	0
PFC9610	MTD20N06HDT4	SBN	AIZU	SBN	TO-252	9702	LVES	96	50	0
PFC4311	MTD20P03HDL	SBN	AIZU	SBN	TO-252	9648	LVES	96	50	0
PFC8611	MTD2955ET1	SBN	PHX	SBN	TO-252	9710	LVS	96	50	0
PFC6242	MTD2N50E1	SBN	PHX	SBN	TO-252	9650	HVES	96	50	0
PFC2358	MTD3055ET4	SBN	PHX	SBN	TO-252	9651	LVS	96	50	0

AUTOCLAVE (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFC4420	MTD3055V	SBN	PHX	SBN	TO-252	9708	LVS	96	50	0
PFC6420	MTD3055VL1	SBN	PHX	SBN	TO-252	9705	LVS	96	50	0
PFC16420	MTD3055VLT4	SBN	PHX	SBN	TO-252	9649	LVS	96	50	0
PFC14420	MTD3055VT4	SBN	PHX	SBN	TO-252	9713	LVS	96	50	0
PFC8182	MTD4N20E	SBN	PHX	SBN	TO-252	9707	HVES	96	50	0
PFC8182	MTD4N20E1	SBN	PHX	SBN	TO-252	9712	HVES	96	50	0
PFC6400	MTD5N25E	SBN	PHX	SBN	TO-252	9704	HVES	96	50	0
PFC6400	MTD5N25E1	SBN	PHX	SBN	TO-252	9706	HVES	96	50	0
PFC6144	MTD9N10E	SBN	AIZU	SBN	TO-252	9709	LVS	96	50	0
PFC2394	STD1011ET4	SBN	AIZU	SBN	TO-252	9711	LVS	96	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			
1992	TO-252	50	2350	2.26E+05		9	0.38%			
1993	TO-252	81	4050	3.89E+05		3	0.07%			
1994	TO-252	96	4800	4.61E+05		0	0.00%			
1995	TO-252	33	1650	1.58E+05		0	0.00%			
1996	TO-252	60	3000	2.78E+05		0	0.00%			
P197	TO-252	18	900	8.64E+04		0	0.00%			

HIGH TEMPERATURE STORAGE LIFE

TEMPERATURE: +150°C

STRESS: NONE

MIL-STD-750, Method 1032

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFC3748	MLD1N06CLT4	SBN	PHX	SBN	TO-252	9703	LL	168	50	0
PFC4310	MTD20N03HD	SBN	AIZU	SBN	TO-252	9701	LVS	168	50	0
PFC4316	MTD20N03HDL1	SBN	AIZU	SBN	TO-252	9652	LVS	168	50	0
PFC9610	MTD20N06HDT4	SBN	AIZU	SBN	TO-252	9702	LVS	168	50	0
PFC4311	MTD20P03HDL	SBN	AIZU	SBN	TO-252	9648	LVS	168	50	0
PFC8611	MTD2955ET1	SBN	PHX	SBN	TO-252	9710	LVS	168	50	0
PFC6242	MTD2N50E1	SBN	PHX	SBN	TO-252	9650	HVES	168	50	0
PFC2358	MTD3055ET4	SBN	PHX	SBN	TO-252	9651	LVS	168	50	0
PFC4420	MTD3055V	SBN	PHX	SBN	TO-252	9708	LVS	168	50	0
PFC6420	MTD3055VL1	SBN	PHX	SBN	TO-252	9705	LVS	168	50	0
PFC16420	MTD3055VLT4	SBN	PHX	SBN	TO-252	9649	LVS	168	50	0
PFC14420	MTD3055VT4	SBN	PHX	SBN	TO-252	9713	LVS	168	50	0
PFC8182	MTD4N20E	SBN	PHX	SBN	TO-252	9707	HVES	168	50	0
PFC8182	MTD4N20E1	SBN	PHX	SBN	TO-252	9712	HVES	168	50	0
PFC6400	MTD5N25E	SBN	PHX	SBN	TO-252	9704	HVES	168	50	0
PFC6400	MTD5N25E1	SBN	PHX	SBN	TO-252	9706	HVES	168	50	0
PFC6144	MTD9N10E	SBN	AIZU	SBN	TO-252	9709	LVS	168	50	0
PFC2394	STD1011ET4	SBN	AIZU	SBN	TO-252	9711	LVS	168	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			
1992	TO-252	48	2250	3.78E+05		0	0.00%			
1993	TO-252	69	3450	6.21E+05		0	0.00%			
1994	TO-252	84	4200	7.47E+05		0	0.00%			
1995	TO-252	35	1750	3.77E+05		0	0.00%			
1996	TO-252	63	3150	6.44E+05		0	0.00%			
P197	TO-252	18	900	1.51E+05		0	0.00%			

INTERMITTENT OPERATING LIFE

TEMPERATURE: +25°C

STRESS: P_D = 100%, t_{on} = 15 SEC, t_{off} = 30 SEC

MIL-STD-750, Method 1037

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFC3748	MLD1N06CLT4	SBN	PHX	SBN	TO-252	9703	LL	1000	50	0
PFC4310	MTD20N03HD	SBN	AIZU	SBN	TO-252	9701	LVS	1000	50	0
PFC4316	MTD20N03HDL1	SBN	AIZU	SBN	TO-252	9652	LVS	1000	50	0
PFC9610	MTD20N06HDT4	SBN	AIZU	SBN	TO-252	9702	LVS	1000	50	0
PFC4311	MTD20P03HDL	SBN	AIZU	SBN	TO-252	9648	LVS	1000	50	0
PFC8611	MTD2955ET1	SBN	PHX	SBN	TO-252	9710	LVS	1000	50	0
PFC6242	MTD2N50E1	SBN	PHX	SBN	TO-252	9650	HVES	1000	50	0
PFC2358	MTD3055ET4	SBN	PHX	SBN	TO-252	9651	LVS	1000	50	0
PFC4420	MTD3055V	SBN	PHX	SBN	TO-252	9708	LVS	1000	50	0
PFC6420	MTD3055VL1	SBN	PHX	SBN	TO-252	9705	LVS	1000	50	0

INTERMITTENT OPERATING LIFE (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFC16420	MTD3055VLT4	SBN	PHX	SBN	TO-252	9649	LVS	1000	50	0
PFC14420	MTD3055VT4	SBN	PHX	SBN	TO-252	9713	LVS	1000	50	0
PFC8182	MTD4N20E	SBN	PHX	SBN	TO-252	9707	HVES	1000	50	0
PFC8182	MTD4N20E1	SBN	PHX	SBN	TO-252	9712	HVES	1000	50	0
PFC6400	MTD5N25E	SBN	PHX	SBN	TO-252	9704	HVES	1000	50	0
PFC6400	MTD5N25E1	SBN	PHX	SBN	TO-252	9706	HVES	1000	50	0
PFC6144	MTD9N10E	SBN	AIZU	SBN	TO-252	9709	LVS	1000	50	0
PFC2394	STD1011ET4	SBN	AIZU	SBN	TO-252	9711	LVS	1000	50	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			
1992	TO-252	9	430	4.13E+04		2	0.47%			
1993	TO-252	68	3008	6.45E+05		0	0.00%			
1994	TO-252	84	3066	3.27E+05		0	0.00%			
1995	TO-252	35	1344	9.81E+05		0	0.00%			
1996	TO-252	36	1800	1.84E+06		0	0.00%			
P197	TO-252	18	900	9.00E+05		0	0.00%			

SOLDERABILITY

TEMPERATURE: +245°C

STRESS: STEAM AGING

MIL-STD-750, Method 2026

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFC3748	MLD1N06CLT4	SBN	PHX	SBN	TO-252	9703	LL	8	22	0
PFC4310	MTD20N03HD	SBN	AIZU	SBN	TO-252	9701	LVS	8	22	0
PFC4316	MTD20N03HDL1	SBN	AIZU	SBN	TO-252	9652	LVS	8	22	0
PFC9610	MTD20N06HDT4	SBN	AIZU	SBN	TO-252	9702	LVS	8	22	0
PFC4311	MTD20P03HDL	SBN	AIZU	SBN	TO-252	9648	LVS	8	22	0
PFC8611	MTD2955ET1	SBN	PHX	SBN	TO-252	9710	LVS	8	22	0
PFC6242	MTD2N50E1	SBN	PHX	SBN	TO-252	9650	HVES	8	22	0
PFC2358	MTD3055ET4	SBN	PHX	SBN	TO-252	9651	LVS	8	22	0
PFC4420	MTD3055V	SBN	PHX	SBN	TO-252	9708	LVS	8	22	0
PFC6420	MTD3055VL1	SBN	PHX	SBN	TO-252	9705	LVS	8	22	0
PFC16420	MTD3055VLT4	SBN	PHX	SBN	TO-252	9649	LVS	8	22	0
PFC14420	MTD3055VT4	SBN	PHX	SBN	TO-252	9713	LVS	8	22	0
PFC8182	MTD4N20E	SBN	PHX	SBN	TO-252	9707	HVES	8	22	0
PFC8182	MTD4N20E1	SBN	PHX	SBN	TO-252	9712	HVES	8	22	0
PFC6400	MTD5N25E	SBN	PHX	SBN	TO-252	9704	HVES	8	22	0
PFC6400	MTD5N25E1	SBN	PHX	SBN	TO-252	9706	HVES	8	22	0
PFC6144	MTD9N10E	SBN	AIZU	SBN	TO-252	9709	LVS	8	22	0
PFC2394	STD1011ET4	SBN	AIZU	SBN	TO-252	9711	LVS	8	22	0
SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC		RESULTS	PERCENT OF RESULTS			
1992	TO-252	40	880	N/A		0	0.00%			
1993	TO-252	68	1496	N/A		22	1.47%			
1994	TO-252	83	1826	N/A		0	0.00%			
1995	TO-252	33	726	N/A		0	0.00%			
1996	TO-252	59	1298	N/A		0	0.00%			
P197	TO-252	18	396	N/A		0	0.00%			

SOLDER HEAT

TEMPERATURE: +260°C

STRESS: 10 SECOND DIP

MIL-STD-750, Method 2031

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFC3748	MLD1N06CLT4	SBN	PHX	SBN	TO-252	9703	LL	1	22	0
PFC4310	MTD20N03HD	SBN	AIZU	SBN	TO-252	9701	LVS	1	22	0
PFC4316	MTD20N03HDL1	SBN	AIZU	SBN	TO-252	9652	LVS	1	22	0
PFC9610	MTD20N06HDT4	SBN	AIZU	SBN	TO-252	9702	LVS	1	22	0
PFC4311	MTD20P03HDL	SBN	AIZU	SBN	TO-252	9648	LVS	1	22	0
PFC8611	MTD2955ET1	SBN	PHX	SBN	TO-252	9710	LVS	1	22	0
PFC6242	MTD2N50E1	SBN	PHX	SBN	TO-252	9650	HVES	1	22	0
PFC2358	MTD3055ET4	SBN	PHX	SBN	TO-252	9651	LVS	1	22	0
PFC4420	MTD3055V	SBN	PHX	SBN	TO-252	9708	LVS	1	22	0
PFC6420	MTD3055VL1	SBN	PHX	SBN	TO-252	9705	LVS	1	22	0
PFC16420	MTD3055VLT4	SBN	PHX	SBN	TO-252	9649	LVS	1	22	0
PFC14420	MTD3055VT4	SBN	PHX	SBN	TO-252	9713	LVS	1	22	0

SOLDER HEAT (continued)

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFC8182	MTD4N20E	SBN	PHX	SBN	TO-252	9707	HVES	1	22	0
PFC8182	MTD4N20E1	SBN	PHX	SBN	TO-252	9712	HVES	1	22	0
PFC6400	MTD5N25E	SBN	PHX	SBN	TO-252	9704	HVES	1	22	0
PFC6400	MTD5N25E1	SBN	PHX	SBN	TO-252	9706	HVES	1	22	0
PFC6144	MTD9N10E	SBN	AIZU	SBN	TO-252	9709	LVES	1	22	0
PFC2394	STD1011ET4	SBN	AIZU	SBN	TO-252	9711	LVS	1	22	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-252	50	1744	N/A	4	0.23%
1993	TO-252	68	1496	N/A	0	0.00%
1994	TO-252	79	1738	N/A	0	0.00%
1995	TO-252	33	726	N/A	0	0.00%
1996	TO-252	60	1432	N/A	0	0.00%
P197	TO-252	18	396	N/A	0	0.00%

TEMPERATURE CYCLING

TEMPERATURE: -65°C to +150°C

STRESS: AIR $\geq$ 10 MINUTE DWELL

MIL-STD-750, Method 1051

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	HRS/CYC	SAMPLE	RESULTS
PFC3748	MLD1N06CLT4	SBN	PHX	SBN	TO-252	9703	LL	200	50	0
PFC4310	MTD20N03HD	SBN	AIZU	SBN	TO-252	9701	LVES	200	50	0
PFC4316	MTD20N03HDL1	SBN	AIZU	SBN	TO-252	9652	LVES	200	50	0
PFC9610	MTD20N06HDT4	SBN	AIZU	SBN	TO-252	9702	LVES	200	50	0
PFC4311	MTD20P03HDL	SBN	AIZU	SBN	TO-252	9648	LVES	200	50	0
PFC8611	MTD2955ET1	SBN	PHX	SBN	TO-252	9710	LVS	200	50	0
PFC6242	MTD2N50E1	SBN	PHX	SBN	TO-252	9650	HVES	200	50	0
PFC2358	MTD3055ET4	SBN	PHX	SBN	TO-252	9651	LVS	200	50	0
PFC4420	MTD3055V	SBN	PHX	SBN	TO-252	9708	LVS	200	50	0
PFC6420	MTD3055VL1	SBN	PHX	SBN	TO-252	9705	LVS	200	50	0
PFC16420	MTD3055VLT4	SBN	PHX	SBN	TO-252	9649	LVS	200	50	0
PFC14420	MTD3055VT4	SBN	PHX	SBN	TO-252	9713	LVS	200	50	0
PFC8182	MTD4N20E	SBN	PHX	SBN	TO-252	9707	HVES	200	50	0
PFC8182	MTD4N20E1	SBN	PHX	SBN	TO-252	9712	HVES	200	50	0
PFC6400	MTD5N25E	SBN	PHX	SBN	TO-252	9704	HVES	200	50	0
PFC6400	MTD5N25E1	SBN	PHX	SBN	TO-252	9706	HVES	200	50	0
PFC6144	MTD9N10E	SBN	AIZU	SBN	TO-252	9709	LVES	200	50	0
PFC2394	STD1011ET4	SBN	AIZU	SBN	TO-252	9711	LVS	200	50	0

SUMMARY	PRODUCT	LOTS	UNITS	CUMULATIVE HRS/CYC	RESULTS	PERCENT OF RESULTS
1992	TO-252	50	2350	4.70E+05	10	0.43%
1993	TO-252	82	4100	8.60E+05	0	0.00%
1994	TO-252	84	4200	8.80E+05	0	0.00%
1995	TO-252	35	1750	4.30E+05	0	0.00%
1996	TO-252	63	3150	7.30E+05	0	0.00%
P197	TO-252	18	900	1.80E+05	0	0.00%

SUMMARY**HIGH TEMPERATURE REVERSE BIAS**

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	COMMENTS
PFA6650R	STR6650	GDL	IR	GDL	TO-220	9702	HVES	REP#01-106 CONTAM
PFA8700R	STR8700	GDL	IR	GDL	TO-220	9709	HVS	REP#3-100 CONTAMINATION
PFF10440	MTP36N06V	GDL	PHX	GDL	TO-220	9702	LVES	REP#01-105 BVDSS

TEMPERATURE CYCLING

LINE	DEVICE	MFG SITE	WAF SITE	TEST SITE	PACKAGE	DATE CODE	TECHNOLOGY	COMMENTS
PFA6650R	STR6650	GDL	IR	GDL	TO-220	9702	HVES	REP #1-071 EOS