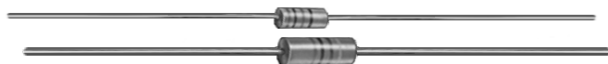


Inductors

Military, MIL-PRF-15305 Qualified, Type LT
and Commercial, Molded



FEATURES

- Wide inductance range in small package.
- Flame retardant coating.
- Precision performance, excellent reliability, sturdy construction.
- Epoxy molded construction provides superior moisture protection.

INDUCTANCE RANGE AND MILITARY STANDARD

MODEL	INDUCTANCE RANGE Mil. Range in bold face		CLASSIFICATION		MILITARY STANDARD
	FROM	TO	GRADE	CLASS	
IM-1	0.10 μ H	100 μ H	—	—	—
IM-2	0.022 μ H	0.082 μ H	—	—	—
	0.10μH	1μH	1	B	MS75083
	1.2μH	27μH	1	A	MS75084
IM-4	0.15μH	4.7μH	1	B	MS18130
	5.6μH	33μH	1	A	MS14046
	36μH	240μH	1	A	MS90538
IM-6	0.10 μ H	2.7 μ H	1	B	MS75008 Not QPL'd
	3.3μH	27μH	1	A	MS75101
	33 μ H	220 μ H	—	—	—
IM-8	270 μ H	1000 μ H	1	A	MS90539 Not QPL'd
	1100 μ H	3600 μ H	1	A	MS90540 Not QPL'd
	68 μ H	150 μ H	1	A	MS14047 Not QPL'd
IM-9	3900 μ H	10,000 μ H	1	A	MS90541 Not QPL'd

ELECTRICAL SPECIFICATIONS

Inductance Tolerance: $\pm 1\%$, $\pm 3\%$, $\pm 5\%$, $\pm 10\%$, $\pm 20\%$. Other tolerances available on request.

Insulation Resistance: 1000 Megohm minimum per MIL-STD-202, Method 302, Test Condition B.

Dielectric Strength: Per MIL-STD-202, Method 301: 1000 VAC for IM-2, -4, -6, -8, -9 and -10. 200 VAC for IM-1.

MECHANICAL SPECIFICATIONS

Terminal Strength: Per MIL-STD-202, Method 211, Test Condition A: For IM-1, 3 pounds pull. For IM-2, -4, -6, -8, -9 and -10, 5 pounds pull and twist.

Weight: IM-1 = .25 gram maximum.

IM-2 = .30 gram maximum.

IM-4 = .65 gram maximum.

IM-6 = .95 gram maximum.

IM-8 = 1.5 gram maximum.

IM-9 = 2.0 gram maximum.

IM-10 = 2.5 gram maximum.

MATERIAL SPECIFICATIONS

Encapsulant: Epoxy.

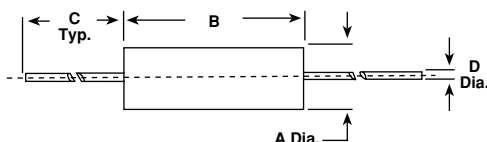
Standard Terminals: IM-1 and IM-2, 24 AWG; IM-4, IM-6 and IM-9, 22 AWG; IM-8, 21 AWG; and IM-10, 20 AWG, tinned copper.

TEST EQUIPMENT*

- H/P 4342A Q-Meter.
- Measurements Corporation Megacycle Meter, Model 59.
- Wheatstone bridge.

*Test procedures per MIL-PRF-15305.

DIMENSIONS in inches [millimeters]



MODEL		A (Dia.)	B	C (Typ.)	D (Dia.)
IM-1	Maximum	0.086 [2.18]	0.210 [5.33]	1.62 [41.15]	0.0215 [.546]
	Minimum	0.070 [1.78]	0.190 [4.83]	1.38 [35.05]	0.0185 [.470]
IM-2	Maximum	0.105 [2.67]	0.260 [6.60]	1.63 [41.40]	0.0215 [.546]
	Minimum	0.085 [2.16]	0.240 [6.10]	1.25 [31.75]	0.0185 [.470]
IM-4	Maximum	0.165 [4.19]	0.385 [9.78]	1.63 [41.40]	0.027 [.686]
	Minimum	0.145 [3.68]	0.365 [9.27]	1.25 [31.75]	0.023 [.584]
IM-6	Maximum	0.200 [5.08]	0.450 [11.43]	1.63 [41.40]	0.027 [.686]
	Minimum	0.180 [4.57]	0.430 [10.92]	1.25 [31.75]	0.023 [.584]
IM-8	Maximum	0.225 [5.72]	0.570 [14.48]	1.63 [41.40]	0.030 [.762]
	Minimum	0.205 [5.21]	0.550 [13.97]	1.25 [31.75]	0.026 [.660]
IM-9	Maximum	0.260 [6.60]	0.570 [14.48]	1.63 [41.40]	0.027 [.686]
	Minimum	0.240 [6.10]	0.550 [13.97]	1.25 [31.75]	0.023 [.584]
IM-10	Maximum	0.250 [6.35]	0.750 [19.05]	1.63 [41.40]	0.034 [.864]
	Minimum	0.230 [5.84]	0.730 [18.54]	1.25 [31.75]	0.030 [.762]

ENVIRONMENTAL PERFORMANCE

TEST	CONDITIONS	SPECIFICATIONS
Barometric Pressure	Test Condition C	MIL-STD-202, Method 105
Thermal Shock	Test Condition A-1	MIL-STD-202, Method 107
Flammability	—	MIL-STD-202, Method 111
Overload	—	MIL-PRF-15305
Low Temperature Storage	—	MIL-PRF-15305
Resistance to Soldering Heat	Test Condition A	MIL-STD-202, Method 210
Resistance to Solvents	—	MIL-STD-202, Method 215



Inductors, Military, MIL-PRF-15305 Qualified,
Type LT and Commercial, Molded

Vishay Dale

STANDARD ELECTRICAL SPECIFICATIONS										
MODEL	IND. (μH)	TOL.	MIL. STD.	MIL. TYPE	Q MIN.	TEST FREQ. L & Q (MHz)	SELF- RESONANT* FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED** DC CURRENT (mA)	
IM-1	0.10	± 10%	—	—	35	25.0	680.0	0.13	895	PHENOLIC CORE
IM-1	0.12	± 10%	—	—	35	25.0	650.0	0.15	835	
IM-1	0.15	± 10%	—	—	35	25.0	560.0	0.18	760	
IM-1	0.18	± 10%	—	—	35	25.0	540.0	0.21	705	
IM-1	0.22	± 10%	—	—	30	25.0	500.0	0.25	645	
IM-1	0.27	± 10%	—	—	30	25.0	440.0	0.38	525	
IM-1	0.33	± 10%	—	—	25	25.0	410.0	0.49	460	
IM-1	0.39	± 10%	—	—	25	25.0	380.0	0.59	420	
IM-1	0.47	± 10%	—	—	25	25.0	340.0	0.62	410	
IM-1	0.56	± 10%	—	—	40	25.0	250.0	0.18	510	IRON CORE
IM-1	0.68	± 10%	—	—	40	25.0	215.0	0.20	485	
IM-1	0.82	± 10%	—	—	40	25.0	200.0	0.22	465	
IM-1	1.0	± 10%	—	—	40	25.0	190.0	0.25	435	
IM-1	1.2	± 10%	—	—	35	7.9	170.0	0.28	410	
IM-1	1.5	± 10%	—	—	40	7.9	150.0	0.49	310	
IM-1	1.8	± 10%	—	—	40	7.9	135.0	0.56	290	
IM-1	2.2	± 10%	—	—	45	7.9	130.0	0.72	257	
IM-1	2.7	± 10%	—	—	45	7.9	110.0	0.85	236	
IM-1	3.3	± 10%	—	—	45	7.9	100.0	1.2	198	
IM-1	3.9	± 10%	—	—	50	7.9	95.0	1.5	178	
IM-1	4.7	± 10%	—	—	55	7.9	88.0	2.1	150	
IM-1	5.6	± 10%	—	—	55	7.9	78.0	2.8	130	
IM-1	6.8	± 10%	—	—	55	7.9	69.0	3.2	122	
IM-1	8.2	± 10%	—	—	45	7.9	52.0	4.4	104	
IM-1	10.0	± 10%	—	—	45	7.9	47.0	5.2	95	
IM-1	12.0	± 10%	—	—	40	2.5	31.0	3.0	126	
IM-1	15.0	± 10%	—	—	40	2.5	26.0	3.4	118	
IM-1	18.0	± 10%	—	—	40	2.5	23.0	3.8	112	
IM-1	22.0	± 10%	—	—	45	2.5	20.0	4.3	105	
IM-1	27.0	± 10%	—	—	45	2.5	17.0	4.7	100	
IM-1	33.0	± 10%	—	—	45	2.5	15.0	5.2	95	
IM-1	39.0	± 10%	—	—	45	2.5	13.5	6.8	83.5	
IM-1	47.0	± 10%	—	—	45	2.5	12.5	8.2	76	
IM-1	56.0	± 10%	—	—	45	2.5	11.5	10.0	69	
IM-1	68.0	± 10%	—	—	45	2.5	10.5	11.5	64	
IM-1	82.0	± 10%	—	—	45	2.5	10.0	16.0	54.5	
IM-1	100.0	± 10%	—	—	45	2.5	9.5	17.5	52	
IM-2	0.022	± 20%	—	—	50	50.0	900.0	0.025	2400	PHENOLIC CORE
IM-2	0.027	± 10%	—	—	40	25.0	875.0	0.03	2200	
IM-2	0.033	± 10%	—	—	40	25.0	850.0	0.035	2000	
IM-2	0.039	± 10%	—	—	40	25.0	825.0	0.04	1900	
IM-2	0.047	± 10%	—	—	40	25.0	800.0	0.045	1800	
IM-2	0.056	± 10%	—	—	40	25.0	775.0	0.05	1700	
IM-2	0.068	± 10%	—	—	40	25.0	750.0	0.06	1500	
IM-2	0.082	± 10%	—	—	40	25.0	725.0	0.07	1400	
IM-2	0.10	± 10%	MS75083 -1	LT4K 339	40	25.0	680.0	0.08	1350	PHENOLIC CORE
IM-2	0.12	± 10%	-2	340	40	25.0	640.0	0.09	1270	
IM-2	0.15	± 10%	-3	341	38	25.0	600.0	0.10	1200	
IM-2	0.18	± 10%	-4	342	35	25.0	550.0	0.12	1105	
IM-2	0.22	± 10%	-5	343	33	25.0	510.0	0.14	1025	
IM-2	0.27	± 10%	-6	344	33	25.0	430.0	0.16	960	
IM-2	0.33	± 10%	-7	345	30	25.0	410.0	0.22	815	
IM-2	0.39	± 10%	-8	346	30	25.0	365.0	0.30	700	
IM-2	0.47	± 10%	-9	347	30	25.0	330.0	0.35	650	
IM-2	0.56	± 10%	-10	348	30	25.0	300.0	0.50	545	
IM-2	0.68	± 10%	-11	349	28	25.0	275.0	0.60	495	
IM-2	0.82	± 10%	-12	350	28	25.0	250.0	0.85	415	
IM-2	1.0	± 10%	-13	351	25	25.0	230.0	1.0	385	
IM-2	1.2	± 10%	MS75084 -01	LT10K 061	25	7.9	150.0	0.18	590	IRON CORE
IM-2	1.5	± 10%	-02	062	28	7.9	140.0	0.22	535	
IM-2	1.8	± 10%	-03	063	30	7.9	125.0	0.30	455	
IM-2	2.2	± 10%	-04	064	30	7.9	115.0	0.40	395	
IM-2	2.7	± 10%	-05	065	37	7.9	100.0	0.55	355	
IM-2	3.3	± 10%	-06	066	45	7.9	90.0	0x.85	270	
IM-2	3.9	± 10%	-07	067	45	7.9	80.0	1.0	250	
IM-2	4.7	± 10%	-08	068	45	7.9	75.0	1.2	230	

*Measured with full length lead. **Rated DC current based on maximum temperature rise as shown in table.

NOTE: Listing of Military Standard does not imply qualification. Contact factory for latest government QPL information.
NOTE: Products with dashes instead of Military Standard value and type designations are not qualified.

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. (μ H)	TOL.	MIL. STD.	MIL. TYPE	Q MIN.	TEST FREQ. L & Q (MHz)	SELF-RESONANT* FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED** DC CURRENT (mA)	
IM-2	5.6	$\pm 10\%$	MS75084	LT10K	50	7.9	65.0	1.8	185	IRON CORE
IM-2	6.8	$\pm 10\%$	-09	069	50	7.9	60.0	2.0	175	
IM-2	8.2	$\pm 10\%$	-10	070	55	7.9	55.0	2.7	155	
IM-2	10.0	$\pm 10\%$	-11	071	55	7.9	50.0	3.7	130	
IM-2	12.0	$\pm 10\%$	-12	072	45	2.5	40.0	2.7	155	
IM-2	15.0	$\pm 10\%$	-13	073	40	2.5	35.0	2.8	150	
IM-2	18.0	$\pm 10\%$	-14	074	50	2.5	30.0	3.1	145	
IM-2	22.0	$\pm 10\%$	-15	075	50	2.5	25.0	3.3	140	
IM-2	27.0	$\pm 10\%$	-16	076	50	2.5	20.0	3.5	135	
IM-2	33.0	$\pm 10\%$	-17	077	50	2.5				
IM-2	39.0	$\pm 10\%$	MS75085	LT10K	45	2.5	24.0	3.4	130	FERRITE CORE
IM-2	47.0	$\pm 10\%$	-1	078	45	2.5	22.0	3.6	125	
IM-2	56.0	$\pm 10\%$	-2	079	45	2.5	20.0	4.5	110	
IM-2	68.0	$\pm 10\%$	-3	080	45	2.5	18.0	5.7	100	
IM-2	82.0	$\pm 10\%$	-4	081	45	2.5	15.0	6.7	92	
IM-2	100.0	$\pm 10\%$	-5	082	50	2.5	14.0	7.3	88	
IM-2	120.0	$\pm 10\%$	-6	083	50	2.5	13.0	8.0	84	
IM-2	150.0	$\pm 10\%$	-7	084	30	0.79	12.0	13.0	66	
IM-2	180.0	$\pm 10\%$	-8	085	30	0.79	11.0	15.0	61	
IM-2	220.0	$\pm 10\%$	-9	086	30	0.79	10.0	17.0	57	
IM-2	270.0	$\pm 10\%$	-10	087	30	0.79	9.0	21.0	52	
IM-2	330.0	$\pm 10\%$	-11	088	30	0.79	8.0	25.0	47	
IM-2	390.0	$\pm 10\%$	-12	089	30	0.79	7.0	28.0	45	
IM-2	470.0	$\pm 10\%$	-13	090	30	0.79	6.5	35.0	40	
IM-2	560.0	$\pm 10\%$	-14	091	30	0.79	6.0	42.0	36	
IM-2	680.0	$\pm 10\%$	-15	092	30	0.79	5.0	46.0	35	
IM-2	820.0	$\pm 10\%$	-16	093	30	0.79	4.0	60.0	30	
IM-2	1000.0	$\pm 10\%$	-17	094	30	0.79	3.8	65.0	29	
IM-2			-18	095	30	0.79	3.4	72.0	28	
IM-2			-19	096	30	0.79				
IM-4	0.15	$\pm 20\%$	MS18130	LT4K	50	25.0	525.0	0.03	2450	PHENOLIC CORE
IM-4	0.22	$\pm 20\%$	-1	074	50	25.0	450.0	0.055	1810	
IM-4	0.33	$\pm 20\%$	-2	075	45	25.0	360.0	0.09	1400	
IM-4	0.47	$\pm 20\%$	-3	076	45	25.0	310.0	0.12	1225	
IM-4	0.56	$\pm 10\%$	-4	077	45	25.0	280.0	0.135	1150	
IM-4	0.68	$\pm 10\%$	-5	078	50	25.0	250.0	0.15	1100	
IM-4	0.82	$\pm 10\%$	-6	079	50	25.0	220.0	0.22	900	
IM-4	1.0	$\pm 10\%$	-7	080	50	25.0	200.0	0.29	785	
IM-4	1.2	$\pm 10\%$	-8	081	33	7.9	180.0	0.42	650	
IM-4	1.5	$\pm 10\%$	-9	082	33	7.9	160.0	0.50	600	
IM-4	1.8	$\pm 10\%$	-10	083	33	7.9	150.0	0.65	525	
IM-4	2.2	$\pm 10\%$	-11	084	33	7.9	135.0	0.95	435	
IM-4	2.7	$\pm 10\%$	-12	085	33	7.9	120.0	1.20	385	
IM-4	3.3	$\pm 10\%$	-13	086	33	7.9	110.0	2.0	300	
IM-4	3.9	$\pm 10\%$	-14	087	33	7.9	100.0	2.30	280	
IM-4	4.7	$\pm 10\%$	-15	088	33	7.9	90.0	2.60	260	
IM-4			-16	089	33	7.9				
IM-4	5.6	$\pm 10\%$	MS14046	LT10K	45	7.9	60.0	0.32	495	IRON CORE
IM-4	6.8	$\pm 10\%$	-1	128	50	7.9	55.0	0.50	395	
IM-4	8.2	$\pm 10\%$	-2	129	50	7.9	50.0	0.60	360	
IM-4	10.0	$\pm 10\%$	-3	130	55	7.9	45.0	0.90	290	
IM-4	12.0	$\pm 10\%$	-4	131	65	2.5	42.0	1.10	265	
IM-4	15.0	$\pm 10\%$	-5	132	65	2.5	40.0	1.40	240	
IM-4	18.0	$\pm 10\%$	-6	133	75	2.5	34.0	2.25	185	
IM-4	22.0	$\pm 10\%$	-7	134	75	2.5	30.0	2.50	175	
IM-4	27.0	$\pm 10\%$	-8	135	60	2.5	25.0	2.60	170	
IM-4	33.0	$\pm 10\%$	-9	136	65	2.5	19.0	3.0	165	
IM-4			-10	137	65	2.5				

*Measured with full length lead. **Rated DC current based on maximum temperature rise as shown in table.

NOTE: Listing of Military Standard does not imply qualification. Contact factory for latest government QPL information.

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STANDARD ELECTRICAL SPECIFICATIONS									
MODEL	IND. (μ H)	TOL.	MIL. STD.	MIL. TYPE	Q MIN.	TEST FREQ. L & Q (MHz)	SELF-RESONANT* FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED** DC CURRENT (mA)
IM-4	36.0	$\pm 5\%$	MS90538	LT10K	60	2.5	15.5	2.50	180
IM-4	39.0	$\pm 5\%$	-1	001	60	2.5	14.5	2.60	176
IM-4	43.0	$\pm 5\%$	-2	002	60	2.5	13.7	2.70	172
IM-4	47.0	$\pm 5\%$	-3	003	60	2.5	13.0	2.75	170
IM-4	51.0	$\pm 5\%$	-4	004	55	2.5	12.7	2.85	167
IM-4	56.0	$\pm 5\%$	-5	005	55	2.5	12.0	3.0	164
IM-4	62.0	$\pm 5\%$	-6	006	55	2.5	11.5	3.15	160
IM-4	68.0	$\pm 5\%$	-7	007	55	2.5	11.0	3.30	156
IM-4	75.0	$\pm 5\%$	-8	008	55	2.5	10.5	3.70	147
IM-4	82.0	$\pm 5\%$	-9	009	55	2.5	10.3	3.90	143
IM-4	91.0	$\pm 5\%$	-10	010	50	2.5	10.0	4.30	136
IM-4	100.0	$\pm 5\%$	-11	011	50	2.5	9.5	4.50	133
IM-4	110.0	$\pm 5\%$	-12	012	60	0.79	8.9	4.90	128
IM-4	120.0	$\pm 5\%$	-13	013	60	0.79	8.7	5.20	124
IM-4	130.0	$\pm 5\%$	-14	014	65	0.79	8.5	5.45	121
IM-4	150.0	$\pm 5\%$	-15	015	65	0.79	8.0	6.05	114
IM-4	160.0	$\pm 5\%$	-16	016	65	0.79	7.5	6.40	111
IM-4	180.0	$\pm 5\%$	-17	017	65	0.79	7.0	6.75	108
IM-4	200.0	$\pm 5\%$	-18	018	65	0.79	6.5	7.10	106
IM-4	220.0	$\pm 5\%$	-19	019	65	0.79	6.2	7.45	103
IM-4	240.0	$\pm 5\%$	-20	020	65	0.79	5.9	7.80	101
IM-4	270.0	$\pm 5\%$	-21	021	65	0.79	5.7	11.0	129
IM-4	300.0	$\pm 5\%$	—	—	65	0.79	5.4	11.5	125
IM-4	330.0	$\pm 5\%$	—	—	65	0.79	5.1	12.0	123
IM-4	360.0	$\pm 5\%$	—	—	65	0.79	4.8	15.5	108
IM-4	390.0	$\pm 5\%$	—	—	65	0.79	4.5	16.3	105
IM-4	430.0	$\pm 5\%$	—	—	65	0.79	4.2	17.1	102
IM-4	470.0	$\pm 5\%$	—	—	65	0.79	3.9	17.9	100
IM-4	510.0	$\pm 5\%$	—	—	65	0.79	3.7	18.8	98
IM-4	560.0	$\pm 5\%$	—	—	65	0.79	3.5	24.7	85
IM-4	620.0	$\pm 5\%$	—	—	65	0.79	3.3	25.9	83
IM-4	680.0	$\pm 5\%$	—	—	55	0.79	3.1	27.2	81
IM-4	750.0	$\pm 5\%$	—	—	55	0.79	2.9	28.6	79
IM-4	820.0	$\pm 5\%$	—	—	55	0.79	2.7	30.0	77
IM-4	910.0	$\pm 5\%$	—	—	55	0.79	2.5	31.5	76
IM-4	1000.0	$\pm 5\%$	—	—	55	0.79	2.3	33.1	74
IM-4	1100.0	$\pm 5\%$	—	—	30	0.25	2.1	43.5	64
IM-4	1200.0	$\pm 5\%$	—	—	30	0.25	2.0	45.7	63
IM-4	1300.0	$\pm 5\%$	—	—	30	0.25	1.9	49.0	61
IM-4	1500.0	$\pm 5\%$	—	—	30	0.25	1.8	52.5	59
IM-4	1600.0	$\pm 5\%$	—	—	30	0.25	1.7	54.0	58
IM-4	1800.0	$\pm 5\%$	—	—	30	0.25	1.6	56.7	56
IRON CORE									
IM-6	0.10	$\pm 20\%$	MS75008	LT4K	(Not QPL'd)	25.0	510.0	.020	3600
IM-6	0.12	$\pm 20\%$	—	—	55	25.0	510.0	.025	3300
IM-6	0.15	$\pm 20\%$	-21	027	55	25.0	510.0	.030	3000
IM-6	0.18	$\pm 20\%$	—	—	55	25.0	450.0	.030	2900
IM-6	0.22	$\pm 20\%$	-22	028	50	25.0	415.0	.035	2800
IM-6	0.27	$\pm 20\%$	—	—	50	25.0	380.0	.050	2400
IM-6	0.33	$\pm 20\%$	-23	029	50	25.0	350.0	.065	2000
IM-6	0.39	$\pm 20\%$	—	—	50	25.0	320.0	.080	1800
IM-6	0.47	$\pm 20\%$	-24	030	50	25.0	300.0	.085	1700
IM-6	0.56	$\pm 10\%$	-25	031	50	25.0	270.0	.125	1450
IM-6	0.68	$\pm 10\%$	-26	032	45	25.0	250.0	.150	1300
IM-6	0.82	$\pm 10\%$	-27	033	40	25.0	210.0	.205	1100
IM-6	1.0	$\pm 10\%$	-28	034	40	25.0	200.0	.290	930
IM-6	1.2	$\pm 10\%$	-29	035	30	7.9	180.0	.400	785
IM-6	1.5	$\pm 10\%$	-30	036	30	7.9	170.0	.485	700
IM-6	1.8	$\pm 10\%$	-31	037	30	7.9	150.0	.740	580
IM-6	2.2	$\pm 10\%$	-32	038	30	7.9	140.0	.970	505
IM-6	2.7	$\pm 10\%$	-33	039	30	7.9	120.0	1.20	460
PHENOLIC CORE									

*Measured with full length lead. **Rated DC current based on maximum temperature rise as shown in table.

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NOTE: Products with dashes instead of Military Standard value and type designations are not qualified.

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. (μ H)	TOL.	MIL. STD.	MIL. TYPE	Q MIN.	TEST FREQ. L & Q (MHz)	SELF-RESONANT* FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED** DC CURRENT (mA)	
IM-6	3.3	$\pm 10\%$	MS75101 -01	LT10K 169	30	LT10K 7.9	70.0	0.140	990	IRON CORE
IM-6	3.9	$\pm 10\%$	-02	170	30	7.9	65.0	0.155	870	
IM-6	4.7	$\pm 10\%$	-03	171	30	7.9	60.0	0.210	745	
IM-6	5.6	$\pm 10\%$	-04	172	30	7.9	50.0	0.280	645	
IM-6	6.8	$\pm 10\%$	-05	173	30	7.9	50.0	0.375	560	
IM-6	8.2	$\pm 10\%$	-06	174	30	7.9	48.0	0.440	540	
IM-6	10.0	$\pm 10\%$	-07	175	30	7.9	42.0	0.605	440	
IM-6	12.0	$\pm 10\%$	-08	176	50	2.5	36.0	1.05	370	
IM-6	15.0	$\pm 10\%$	-09	177	55	2.5	30.0	1.20	310	
IM-6	18.0	$\pm 10\%$	-10	178	60	2.5	30.0	1.95	255	
IM-6	22.0	$\pm 10\%$	-11	179	60	2.5	24.0	2.20	240	
IM-6	27.0	$\pm 10\%$	-12	180	65	2.5	22.0	2.75	205	
IM-6	33.0	$\pm 10\%$	—	—	75	2.5	20.0	3.5	185	
IM-6	39.0	$\pm 10\%$	—	—	75	2.5	18.0	3.8	176	
IM-6	47.0	$\pm 10\%$	—	—	75	2.5	16.0	4.0	170	
IM-6	56.0	$\pm 10\%$	—	—	75	2.5	15.0	4.4	164	
IM-6	68.0	$\pm 10\%$	—	—	75	2.5	12.0	4.7	156	
IM-6	82.0	$\pm 10\%$	—	—	75	2.5	10.0	5.3	143	
IM-6	100.0	$\pm 10\%$	—	—	65	2.5	8.0	6.0	133	
IM-6	120.0	$\pm 10\%$	—	—	65	0.79	6.0	5.0	124	
IM-6	150.0	$\pm 10\%$	—	—	65	0.79	5.4	5.8	118	
IM-6	180.0	$\pm 10\%$	—	—	65	0.79	5.0	6.6	114	
IM-6	220.0	$\pm 10\%$	—	—	65	0.79	4.7	7.4	112	
IM-6	270.0	$\pm 5\%$	MS90539 -01	LT10K 022	(Not QPL'd) 65	0.79	5.6	8.2	110	IRON CORE
IM-6	300.0	$\pm 5\%$	-02	023	65	0.79	5.3	8.7	107	
IM-6	330.0	$\pm 5\%$	-03	024	65	0.79	5.0	9.1	105	
IM-6	360.0	$\pm 5\%$	-04	025	65	0.79	4.7	9.6	102	
IM-6	390.0	$\pm 5\%$	-05	026	65	0.79	4.5	10.0	100	
IM-6	430.0	$\pm 5\%$	-06	027	65	0.79	4.3	10.6	97	
IM-6	470.0	$\pm 5\%$	-07	028	65	0.79	4.0	11.1	95	
IM-6	510.0	$\pm 5\%$	-08	029	65	0.79	3.8	11.6	93	
IM-6	560.0	$\pm 5\%$	-09	030	65	0.79	3.6	12.3	91	
IM-6	620.0	$\pm 5\%$	-10	031	60	0.79	3.5	13.0	88	
IM-6	680.0	$\pm 5\%$	-11	032	60	0.79	3.4	13.7	85	
IM-6	750.0	$\pm 5\%$	-12	033	60	0.79	3.3	14.4	83	
IM-6	820.0	$\pm 5\%$	-13	034	60	0.79	3.1	15.1	81	
IM-6	910.0	$\pm 5\%$	-14	035	60	0.79	2.9	15.8	79	
IM-6	1000.0	$\pm 5\%$	-15	036	60	0.79	2.8	16.5	78	
IM-8	1100.0	$\pm 5\%$	MS90540 -01	LT10K 037	(Not QPL'd) 60	0.25	2.8	21.0	78	IRON CORE
IM-8	1200.0	$\pm 5\%$	-02	038	60	0.25	2.7	22.0	76	
IM-8	1300.0	$\pm 5\%$	-03	039	60	0.25	2.6	23.0	75	
IM-8	1500.0	$\pm 5\%$	-04	040	65	0.25	2.4	25.0	72	
IM-8	1600.0	$\pm 5\%$	-05	041	65	0.25	2.3	26.0	70	
IM-8	1800.0	$\pm 5\%$	-06	042	65	0.25	2.2	28.0	68	
IM-8	2000.0	$\pm 5\%$	-07	043	65	0.25	2.1	29.0	67	
IM-8	2200.0	$\pm 5\%$	-08	044	70	0.25	2.0	30.0	66	
IM-8	2400.0	$\pm 5\%$	-09	045	70	0.25	1.9	31.0	64	
IM-8	2700.0	$\pm 5\%$	-10	046	70	0.25	1.8	33.0	62	
IM-8	3000.0	$\pm 5\%$	-11	047	70	0.25	1.7	35.0	61	
IM-8	3300.0	$\pm 5\%$	-12	048	70	0.25	1.6	38.0	58	
IM-8	3600.0	$\pm 5\%$	-13	049	70	0.25	1.5	40.0	57	

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**STANDARD ELECTRICAL SPECIFICATIONS**

MODEL	IND. (μ H)	TOL.	MIL. STD.	MIL. TYPE	Q MIN.	TEST FREQ. L & Q (MHz)	SELF-RESONANT* FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED** DC CURRENT (mA)	
IM-9	68.0	$\pm 10\%$	MS14047	LT10K	(Not QPL'd)	2.5	13.0	3.3	168	IRON CORE
IM-9	82.0	$\pm 10\%$	-01	138	70	2.5	11.7	3.5	162	
IM-9	100.0	$\pm 10\%$	-02	139	65	2.5	10.7	3.8	155	
IM-9	120.0	$\pm 10\%$	-03	140	65	2.5	9.3	4.7	142	
IM-9	150.0	$\pm 10\%$	-04	141	75	0.79	8.3	5.3	132	
IM-9			-05	142	75	0.79				
IM-10	3900.0	$\pm 5\%$	MS90541	LT10K	(Not QPL'd)	0.25	1.45	44.0	61	IRON CORE
IM-10	4300.0	$\pm 5\%$	-01	050	80	0.25	1.40	46.0	59	
IM-10	4700.0	$\pm 5\%$	-02	051	80	0.25	1.35	48.0	58	
IM-10	5000.0	$\pm 5\%$	-03	052	80	0.25	1.30	50.0	57	
IM-10	5600.0	$\pm 5\%$	-04	053	80	0.25	1.25	53.0	56	
IM-10	6200.0	$\pm 5\%$	-05	054	80	0.25	1.20	56.0	54	
IM-10	6800.0	$\pm 5\%$	-06	055	80	0.25	1.15	59.0	52	
IM-10	7500.0	$\pm 5\%$	-07	056	80	0.25	1.10	62.0	51	
IM-10	8200.0	$\pm 5\%$	-08	057	80	0.25	1.05	65.0	50	
IM-10	9100.0	$\pm 5\%$	-09	058	80	0.25	1.0	68.0	49	
IM-10	10000.0	$\pm 5\%$	-10	059	80	0.25	0.95	72.0	47	
IM-10			-11	060	80	0.25				

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MAXIMUM TEMPERATURE RISE

		OPERATING TEMPERATURE RANGE
IM-1	0.10 μ H to .47 μ H = 35°C at + 90°C ambient 0.56 μ H to 1000 μ H = 15°C at + 90°C ambient	- 55°C to + 125°C - 55°C to + 105°C
IM-2	0.022 μ H to 1.0 μ H = 35°C at + 90°C ambient 1.2 μ H to 27 μ H = 15°C at + 90°C ambient 33 μ H to 1000 μ H = 15°C at + 90°C ambient	- 55°C to + 125°C - 55°C to + 105°C - 55°C to + 105°C
IM-4	0.15 μ H to 4.7 μ H = 35°C at + 90°C ambient 5.6 μ H to 33 μ H = 15°C at + 90°C ambient 36 μ H to 240 μ H = 15°C at + 90°C ambient 270 μ H to 1800 μ H = 35°C at + 90°C ambient	- 55°C to + 125°C - 55°C to + 105°C - 55°C to + 105°C - 55°C to + 125°C
IM-6	0.1 μ H to 2.7 μ H = 35°C at + 90°C ambient 3.3 μ H to 1000 μ H = 15°C at + 90°C ambient	- 55°C to + 125°C - 55°C to + 105°C
IM-8, IM-9, IM-10	= 15°C at + 90°C ambient	- 55°C to + 105°C

ORDERING INFORMATION

IM-2 MODEL	10 μ H INDUCTANCE VALUE	$\pm 10\%$ INDUCTANCE TOLERANCE
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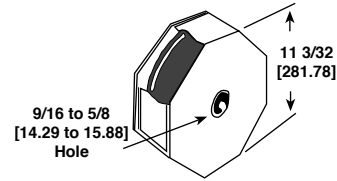
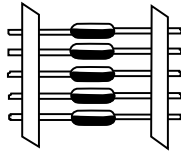
ORDERING INFORMATION - MILITARY PART NUMBER

MS75084 MILITARY STANDARD	- 12 INDUCTANCE VALUE	OR	LT TYPE	10 GRADE AND CLASS	K FAMILY	072 ID NUMBER
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Leaded Magnetics Packaging Methods

TAPE AND REEL in inches [millimeters]

Reel Pack



MODEL	PREVIOUS CODE*	GLOBAL CODE REGULAR*	GLOBAL CODE LEAD FREE	REEL SIZE	CARRIER TAPE WIDTH (W)	COMPONENT PITCH (P)	UNITS/ REEL	PREVIOUS CODE*	GLOBAL CODE REGULAR*	GLOBAL CODE LEAD FREE	UNITS/ BULK
IM-1	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	4000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IM-2	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	4000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IM-4	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	2500	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IM-6	R36	RU	ER	12	2.06 [52.39]	0.4 [10.16]	2000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.4 [10.16]	400				
IM-8	RB5	RA	EZ	12	2.06 [52.39]	0.4 [10.16]	1000	B08	BH	EB	100
	RJ2	SJ	ET	7.5	2.06 [52.39]	0.4 [10.16]	400				
IM-9	RB5	RA	EZ	12	2.06 [52.39]	0.4 [10.16]	800	B08	BH	EB	80
	RJ2	SJ	ET	7.5	2.06 [52.39]	0.4 [10.16]	400				
	RJ5	SS	EW	12	2.06 [52.39]	0.4 [10.16]	1000				
IM-10	RB5	RA	EZ	12	2.06 [52.39]	0.4 [10.16]	800	B08	BH	EB	70
	RJ2	SJ	ET	7.5	2.06 [52.39]	0.4 [10.16]	400				
IM-6-38	RB5	RA	EZ	12	2.06 [52.39]	0.4 [10.16]	1000	B08	BH	EB	200
	RJ2	SJ	ET	7.5	2.06 [52.39]	0.4 [10.16]	400				
IM-6RFCS-40	R36	RU	ER	12	2.06 [52.39]	0.4 [10.16]	1000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.4 [10.16]	400				
IM-10-22	RB5	RR	EZ	12	2.06 [52.39]	0.4 [10.16]	500	B08	BH	EB	100
IM-10-28	R07	NA	EY	12	2.88 [73.15]	0.4 [10.16]	250	B08	BH	EB	70
IM-10-31	-	-	-	-	-	-	-	B08	BH	EB	50
IM-10-37	RB5	RA	EZ	12	2.06 [52.39]	0.4 [10.16]	500	B08	BH	EB	40
IM-10-46	-	-	-	-	-	-	-	B08	BH	EB	25
IM-10RFCL-12	RB5	RA	EZ	12	2.19 [55.63]	0.4 [10.16]	250	B08	BH	EB	50
IMS-2WWD-40	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	4000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IMS-2SWWD-30	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	4000	B08	BH	EB	100
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IMS-2	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	4000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IMS-5	R36	RU	ER	12	2.50 [63.50]	0.2 [5.08]	2500	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.50 [63.50]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.50 [63.50]	0.2 [5.08]	1000				
IMS-5WD-40	R36	RU	ER	12	2.50 [63.50]	0.2 [5.08]	2500	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.50 [63.50]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.50 [63.50]	0.2 [5.08]	1000				

NOTE: Shaded area indicates bulk packaging.

* Previous Code and Global Code Regular do not necessarily mean the products within contain lead. Several model numbers are lead free as standard and will contain lead free products.



TAPE AND REEL in inches [millimeters]											
MODEL	PREVIOUS CODE*	GLOBAL CODE REGULAR*	GLOBAL CODE LEAD FREE	REEL SIZE	CARRIER TAPE WIDTH (W)	COMPONENT PITCH (P)	UNITS/ REEL	PREVIOUS CODE*	GLOBAL CODE REGULAR*	GLOBAL CODE LEAD FREE	UNITS/ BULK
IMS-5SWD-65	R36	RU	ER	12	2.50 [63.50]	0.2 [5.08]	2500	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.50 [63.50]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.50 [63.50]	0.2 [5.08]	1000				
IR-2	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	4000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	12	2.06 [52.39]	0.2 [5.08]	1000				
IR-4	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	2500	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IRF-1	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	4000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IRF-3	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	2500	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IRF-24	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	5000	-	-	-	-
IRF-36	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	5000	-	-	-	-
IRF-46	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	3000	-	-	-	-
IHD-1	R16	RR	ER	12	2.06 [52.39]	0.4 [10.16]	800	B08	BH	EB	50
IHD-3	RA3	AC	ER	12	2.87 [72.90]	0.6 [15.24]	200	B08	BH	EB	190
IHD-2	-	-	-	-	-	-	-	-	-	EB	150
IHD-4	-	-	-	-	-	-	-	-	-	EB	60
IHA-101	-	-	-	-	-	-	-	B01	BA	EB	210
IHA-102	-	-	-	-	-	-	-	B01	BA	EB	210
IHA-103	-	-	-	-	-	-	-	B01	BA	EB	200
IHA-104	-	-	-	-	-	-	-	B01	BA	EB	160
IHA-105	-	-	-	-	-	-	-	B01	BA	EB	160
IHA-201	-	-	-	-	-	-	-	B01	BA	EB	200
IHA-202	-	-	-	-	-	-	-	B01	BA	EB	180
IHA-203	-	-	-	-	-	-	-	B01	BA	EB	160
IHA-204	-	-	-	-	-	-	-	B01	BA	EB	120
IHA-205	-	-	-	-	-	-	-	B01	BA	EB	75
IHA-301	-	-	-	-	-	-	-	B01	BA	EB	210
IHA-302	-	-	-	-	-	-	-	B01	BA	EB	240
IHA-303	-	-	-	-	-	-	-	B01	BA	EB	160
IHA-304	-	-	-	-	-	-	-	B01	BA	EB	160
IHA-305	-	-	-	-	-	-	-	B01	BA	EB	160
IHA-501	-	-	-	-	-	-	-	B01	BA	EB	210
IHA-502	-	-	-	-	-	-	-	B01	BA	EB	200
IHA-503	-	-	-	-	-	-	-	B01	BA	EB	75
IHA-504	-	-	-	-	-	-	-	B01	BA	EB	75
IHA-505	-	-	-	-	-	-	-	B01	BA	EB	75
IH-3 5, 27, 50 & 100 μ H	-	-	-	-	-	-	-	B15	BQ	EB	150
IH-3 10 μ H	-	-	-	-	-	-	-	B15	BQ	EB	200
IH-3 50 μ H	-	-	-	-	-	-	-	B15	BQ	EB	50
IH-3 250 μ H	-	-	-	-	-	-	-	B15	BQ	EB	75
IH-4 0 μ H	-	-	-	-	-	-	-	B15	BQ	EB	160
IH-5 5 & 10 μ H	-	-	-	-	-	-	-	B15	BQ	EB	200
IH-5 27 μ H	-	-	-	-	-	-	-	B15	BQ	EB	150
IH-5 50, 68, 100 & 150 μ H	-	-	-	-	-	-	-	B15	BQ	EB	50
IH-10 5 & 10 μ H	-	-	-	-	-	-	-	B15	BQ	EB	150

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TAPE AND REEL in inches [millimeters]											
MODEL	PREVIOUS CODE*	GLOBAL CODE REGULAR*	GLOBAL CODE LEAD FREE	REEL SIZE	CARRIER TAPE WIDTH (W)	COMPONENT PITCH (P)	UNITS/ REEL	PREVIOUS CODE*	GLOBAL CODE REGULAR*	GLOBAL CODE LEAD FREE	UNITS/ BULK
IH-10 27 μ H	-	-		-	-	-	-	B15	BQ	EB	50
IH-10 50, 68 & 100 μ H	-	-		-	-	-	-	B15	BQ	EB	75
IH-15 5 μ H	-	-		-	-	-	-	B15	BQ	EB	50
IH-15 10 & 27 μ H	-	-		-	-	-	-	B15	BQ	EB	75
IH-15 50 μ H	-	-		-	-	-	-	B15	BQ	EB	60
IHM-2	-	-		-	-	-	-	P12	PM	EB	20
IHB-1	-	-		-	-	-	-	B40	BV	EB	48
IHB-2	-	-		-	-	-	-	B40	BV	EB	30
IHB-3	-	-		-	-	-	-	B40	BV	EB	24
IHB-4	-	-		-	-	-	-	B40	BV	EB	16
IHB-5	-	-		-	-	-	-	B40	BV	EB	16
IHB-6	-	-		-	-	-	-	B40	BV	EB	16
IHV-15-500	-	-		-	-	-	-	B48	BZ	EB	10
IHV-20-200	-	-		-	-	-	-	B48	BZ	EB	10
IHV-28-60	-	-		-	-	-	-	B48	BZ	EB	14
IHV-30-150	-	-		-	-	-	-	B48	BZ	EB	5
IHV-40-39	-	-		-	-	-	-	B48	BZ	EB	10
IHV-45-92	-	-		-	-	-	-	B48	BZ	EB	5
IHV-50-50	-	-		-	-	-	-	B48	BZ	EB	5
IHV-60-24	-	-		-	-	-	-	B48	BZ	EB	5
PC	-	-		-	-	-	-	F09	FJ	EB	40
VIV	-	-		-	-	-	-	F09	FJ	EB	40
VIH	-	-		-	-	-	-	F09	FJ	EB	40
WVL	-	-		-	-	-	-	F09	FJ	EB	40
TJ3-1U	-	-		-	-	-	-	T07	TG	EB	100
TJ3-2U	-	-		-	-	-	-	T07	TG	EB	100
TJ4-1U	-	-		-	-	-	-	T07	TG	EB	100
TJ4-2U	-	-		-	-	-	-	T07	TG	EB	30
TJ5-1U	-	-		-	-	-	-	T07	TG	EB	100
TJ5-2U	-	-		-	-	-	-	T07	TG	EB	30
TJ6-1U	-	-		-	-	-	-	T07	TG	EB	20
TJ6-2U	-	-		-	-	-	-	T07	TG	EB	36
TJ7-1U	-	-		-	-	-	-	T07	TG	EB	20
TJ7-2U	-	-		-	-	-	-	T07	TG	EB	12
TJ8-1U	-	-		-	-	-	-	T07	TG	EB	15
TJ8-2U	-	-		-	-	-	-	T07	TG	EB	8
TJ9-1U	-	-		-	-	-	-	T07	TG	EB	9
TJ9-2U	-	-		-	-	-	-	T07	TG	EB	3
TE-3	-	-		-	-	-	-	P09	PJ	EB	5
TE-4	-	-		-	-	-	-	P09	PJ	EB	2
TE-5	-	-		-	-	-	-	P09	PJ	EB	2
TD-3	-	-		-	-	-	-	P09	PJ	EB	5
TD-4	-	-		-	-	-	-	P09	PJ	EB	2
TD-5	-	-		-	-	-	-	P09	PJ	EB	2
TC	-	-		-	-	-	-	B09	BJ	EB	36
TA	-	-		-	-	-	-	B42	BX	EB	45
PT-10	-	-		-	-	-	-	C03	CC	EB	32
PT-20	-	-		-	-	-	-	B09	BJ	EB	32
PT-50	-	-		-	-	-	-	B09	BJ	EB	45
PT-100	-	-		-	-	-	-	B09	BJ	EB	50
PT-200	-	-		-	-	-	-	B09	BJ	EB	50
PL-11-xx	-	-		-	-	-	-	C03	CC	EB	10
PL-22-xx	-	-		-	-	-	-	C03	CC	EB	10

NOTE: Shaded area indicates bulk packaging.

* Previous Code and Global Code Regular do not indicate the products contain lead. Model numbers shown in bold are lead free in their standard configurations.



MILITARY PART ORDERING EXAMPLES

TRANSFORMERS AND INDUCTORS

MIL-T-27E (Basic [TF]) (Established Reliability - None)
M27 **215** **05** = Dale TE- 1.0 2%
1 **2** **3** = Type 3Q0TR mH

1. Military Specification
2. Specification Sheet Number
3. Specification Sheet Dash Number
Indicating Value and Electrical Ratings

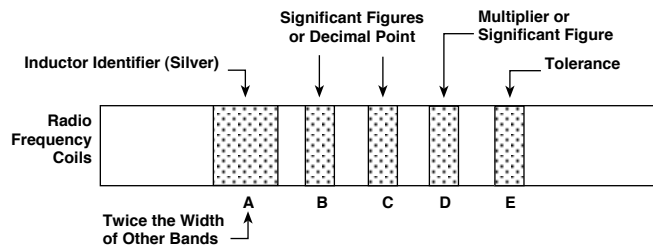
MIL-C-15305E (Basic [LT]) (Established Reliability MIL-C-39010)
LT **4** **K** = Dale IM-2 (.10 μ H TO 1.00 μ H) 10%
1 **2** **3** = Type

NOTE: Parts will be color banded.
Value per Military Standard
dash number.

1. Style
2. Grade and Class
3. Family K = Coil, Radio Frequency, Fixed

MILITARY COLOR CODES - RF COILS

	BAND B & C	BAND D	BAND E
COLOR	SIGNIFICANT FIGURES or DECIMAL POINT	MULTIPLIER* or SIGNIFICANT FIGURE	INDUCTANCE TOLERANCE
Black	0	1	—
Brown	1	10	$\pm 1\%$
Red	2	100	$\pm 2\%$
Orange	3	1000	$\pm 3\%$
Yellow	4	10000	$\pm 4\%$
Green	5	—	—
Blue	6	—	—
Violet	7	—	—
Gray	8	—	—
White	9	—	—
None**	—	—	$\pm 20\%$
Silver	—	—	$\pm 10\%$
Gold	Decimal Point	—	$\pm 5\%$



Band "A" is twice the width of the other bands and is silver in color to identify part as an inductor. ***

For Inductance Values Less Than 10 either Band "B" or Band "C" will be gold and will represent the decimal point. The other two bands ("B" and "D" or "C" and "D") will represent significant figures.

For Inductance Values of 10 or More Band "B" and Band "C" represent significant figures and Band "D" is the Multiplier.

For small units, dots may be used in place of bands.

*The multiplier is the factor by which two significant figures are multiplied to yield the nominal inductance value.

**Indicates body color.

***Coated inductors are marked with four color bands, the first being a double wide significant figure or decimal point in lieu of the double wide silver inductor identifier.