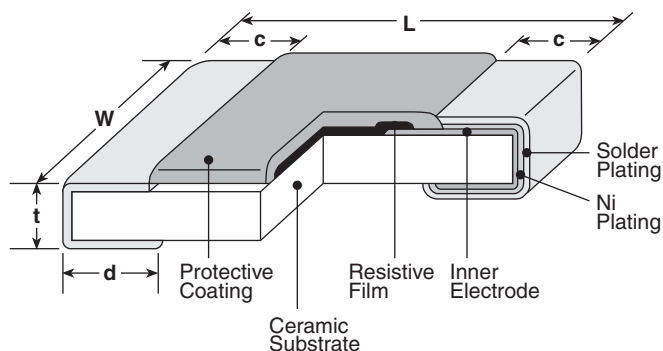


features

- Silver element
- Anti-leaching nickel barrier terminations
- Also available with epoxy bondable palladium silver terminations in sizes 1J, 2A, 2B, 2E, 2H and 3A.
- Meets or exceeds EIA 575, EIAJ RC 2690A, EIA PDP-100, MIL-R-55342F
- Marking: White "000" on black protective coat
1H and 1E sizes are green with no marking
1J has white "0" marking

dimensions and construction



Type (Inch Size Code)	Dimensions inches (mm)				
	L	W	c	d	t
1H (0201)	.024±.001 (0.6±0.03)	.012±.001 (0.3±0.03)	.004±.002 (0.1±0.05)	.006±.002 (0.15±0.05)	.009±.002 (0.23±0.05)
1E (0402)	.039 ^{+.004} _{-.002} (1.0 ^{+.01} _{-.005})	.02±.002 (0.5±0.05)	.008±.004 (0.2±0.1)	.01 ^{+.002} _{-.004} (0.25 ^{+.005} _{-.01})	.014±.002 (0.35±0.05)
1J (0603)	.063±.008 (1.6±0.2)	.031±.004 (0.8±0.1)	.012±.004 (0.3±0.1)	.012±.004 (0.3±0.1)	.018±.004 (0.45±0.1)
2A (0805)	.079±.008 (2.0±0.2)	.049±.004 (1.25±0.1)	.016±.008 (0.4±0.2)	.012 ^{+.008} _{-.004} (0.3 ^{+.02} _{-.01})	.02±.004 (0.5±0.1)
2B (1206)	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.02±.012 (0.5±0.3)	.016 ^{+.008} _{-.004} (0.4 ^{+.02} _{-.01})	.024±.004 (0.6±0.1)
2E (1210)		.102±.008 (2.6±0.2)			
2H (2010)	.197±.008 (5.0±0.2)	.098±.008 (2.5±0.2)		.025±.005 (0.65±0.15)	
3A (2512)	.248±.008 (6.3±0.2)	.122±.008 (3.1±0.2)			

ordering information

New Part #	RK73Z	2B	T	TD
Type		Size	Termination Material	Packaging
		1H	T: Sn	TC: 2mm pitch pressed paper (0201 only)
		1E	G: Au*	TB: 2mm pitch pressed paper (0201 only)
		1J	L: SnPb	TP: 2mm pitch punched paper (0402 & 0603)
		2A		TD: 7" paper tape (0603, 0805, 1206 & 1210)
		2B		TDD: 10" paper tape (0603, 0805, 1206 & 1210)
		2E		TE: 7" punched plastic (0805, 1206, 1210, 2010 & 2512)
		2H		TED: 10" punched plastic (0805, 1206, 1210, 2010 & 2512)
		3A		

* Available ONLY in 1E, 1J and 2A chip sizes

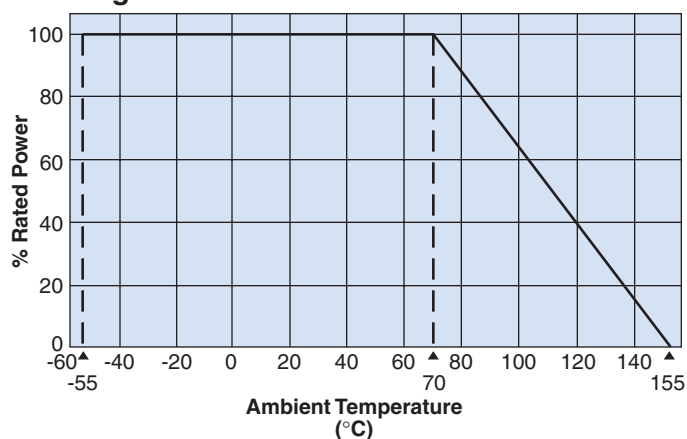
For further information on packaging, please refer to Appendix A.

applications and ratings

Part Designation	Maximum Continuous Current @ 70°C	Maximum Surge Current @ 70°C	Maximum Resistance	Operating Temperature Range
RK73Z1H	0.5 Amps	1.0 Amp Max. for < 1 second	50mΩ	-55°C to +155°C
RK73Z1E RK73Z1J	1.0 Amps	2 Amp Max. for < 1 second		
RK73Z2A	2.0 Amps	5 Amp Max. for < 1 second		
RK73Z2B RK73Z2E RK73Z2H RK73Z3A	2.0 Amps	10 Amp Max. for < 1 second		

environmental applications

Derating Curve



For complete environmental specifications, please refer to pages 24-25.

marking

KSE Part Designation		Color		Marking Type
		Body	Marking	
RK73B	1H (0201)	Black	None	None
	1E (0402)	Black	None	None
	1J (0603)	Black	White	3 Digits
	2A (0805)	Black	White	3 Digits
	2B (1206)	Black	White	3 Digits
	2E (1210)	Black	White	3 Digits
	2H (2010)	Black	White	3 Digits
RK73Z	3A (2512)	Black	White	3 Digits
	1H (0201)	Green	None	None
	1E (0402)	Green	None	None
	1J (0603)	Black	White	0
	2A (0805)	Black	White	000
	2B (1206)	Black	White	000
	2E (1210)	Black	White	000
RK73H	2H (2010)	Black	White	000
	3A (2512)	Black	White	000
	1H (0201)	Blue	None	None
	1E (0402)	Blue	None	None
	1J (0603)	Blue	Black	E-24 3 Digits, E-96 None
	2A (0805)	Blue	Black	4 Digits
	2B (1206)	Blue	Black	4 Digits
RK73G	2E (1210)	Blue	Black	4 Digits
	2H (2010)	Blue	Black	4 Digits
	3A (2512)	Blue	Black	4 Digits
	1E (0402)	Black	None	None
	1J (0603)	Dark Blue	Black	E-24 3 Digits E-96 4 Digits
	2A (0805)	Dark Blue	Black	4 Digits
	2B (1206)	Dark Blue	Black	4 Digits
RK73A	1J (0603)	Black	Light Blue	3 Digits
	2A (0805)	Black	Light Blue	3 Digits
	2B (1206)	Black	Light Blue	3 Digits
RK73N	1E (0402)	Black	None	None
	1J (0603)	Black	None	None
	2A (0805)	Black	None	None
	2B (1206)	Black	None	None
	2E (1210)	Black	None	None
	2H (2010)	Black	None	None
	3A (2512)	Black	None	None
RN73	1E (0402)	Green	None	None
	1J (0603)	Green	Distinctive Colors	E-24 only 4 Digits
	2A (0805)	Green	Distinctive Colors	4 Digits
	2B (1206)	Green	Distinctive Colors	4 Digits
	2H (2010)	Green	Distinctive Colors	4 Digits

KSE Part Designation		Color		Marking Type
		Body	Marking	
UR73	1J	Indigo	White	4 Digits
	(D) 3A	Indigo	White	4 Digits
	(D) 2A	Indigo	White	4 Digits
	(D) 2B	Indigo	White	4 Digits
SG73	2A (0805)	Wine Red	White	3 Digits
	2B (1206)	Wine Red	White	3 Digits
	2E (1210)	Wine Red	White	3 Digits
	2H (2010)	Wine Red	White	3 Digits
CN	3A (2512)	Wine Red	White	3 Digits
	—	Black	White	3 Digits
CN_A	—	Black	White	3 Digits
CN_K	1F	Black	White	3 Digits
	1E	Black	None	None
	1J	Black	White	3 Digits
CNB	—	Black	White	3 Digits + pin number
CND	—	Black	White	3 Digits
CNZ	—	Black	None	None
SR73	1E (0402)	Indigo	None	None
	1J (0603)	Indigo	White	1%=4 Digits 2%, 5%=3 Digits
	2A (0805)	Indigo	White	1%=4 Digits 2%, 5%=3 Digits
	2B (1206)	Indigo	White	1%=4 Digits 2%, 5%=3 Digits
	2E (1210)	Indigo	White	1%=4 Digits 2%, 5%=3 Digits
	2H (2010)	Indigo	White	1%=4 Digits 2%, 5%=3 Digits
	3A (2512)	Indigo	White	1%=4 Digits 2%, 5%=3 Digits
SL1-3	—	Black	White	4 Digits
TSL	—	Black	White	4 Digits
TLR	—	Black	White	4 Digits
LR72	—	Silver	None	3 Digits
NPR	—	Black	Teal	1%=4 Digits 5%, 10%=3 Digits
CSR	—	Black	White	3 Digits
RD41B	—	Ivory	3 color band	None
RN41	—	Blue	3 color band	None
RM41	—	Green	3 color band	None
MLT	—	Gray	3 color band	None
CC	—	Brown	None	None
CPCN	—	Gray	None	None
MCR	—	Ivory	None	None
RKC	—	Black	White	1%=4 Digits 2%, 5%=3 Digits
RKH	—	Black	White	1%=4 Digits 2%, 5%=3 Digits
RKL	—	Black	White	1%=4 Digits 2%, 5%=3 Digits
MRP	—	Black	White	Alphanumeric

marking (continued)

KSE Part Designation		Color		Marking Type
		Body	Marking	
MRS	—	Black	White	Alphanumeric
LT73	—	Bronze	Black	4 Digits
LA73	—	Orange	Black	3 Digits
NT73	—	Pink	Black	3 Digits
PT72	70°C	Black	None	None
	80°C	Brown	None	None
	100°C	Blue	None	None
RF73	—	Brown	Black	3 Digits
CCP	—	Black	Yellow	2 Digits
CCF	—	White	Black	Alphanumeric
TF	—	Black	White	Letter Designation
NV73	—	Black	None	None
NV73A	—	Black	None	None
NV73D	—	Black	None	None
NVD	—	Green	Black	Alphanumeric
KL73	1H (0201)	Green	White	Direction Only
	1E (0402)	Dark Blue	Yellow	Direction Only
	1J (0602)	Dark Blue	Yellow	Alphanumeric
	2A (0805)	Dark Blue	Yellow	
	2B (1206)	Dark Blue	Yellow	
SDR	0604	Black	Black	3 Digits
	0805	Black	Black	3 Digits
	1006	Black	Black	3 Digits
MCL	—	Black	None	None
MHL	1E	Brown	None	None
	1J	White	Black Stripe	None
	2A	White	None	None
KL32	—	Black	White	3 Digits
KQ	0603	Black	White	3 Digits
	0805	Black	White	3 Digits
	1008	Black	White	3 Digits
KQ(T)	0402	White	None	None
KQC	0603	White	None	None
LPC	—	Black	None	None
TMC	—	Black	White	2 Digits Capacitance Voltage
TMR	—	Black	White	
TMH	—	Black	White	
TMU	—	Black	White	
TMX	—	Black	White	
HFC	—	Brown	None	None
MCA	—	Tan	None	None
CZB/CZP	—	Black	None	None
KGM	—	Black	None	None
KCR	—	Black	None	None
KC	2A	White/Black	None	None
	1J, 2AF	Brown/Black	None	None
CR	1J	Green	Yellow	3 Digit
	2A	Green	Yellow	3 Digit
FBA	—	Black	None	None
LPS	—	Black	White	Letter Designation

significant figures of nominal resistance

E-12 Decade Values					
10	12	15	18	22	27
33	39	47	56	68	82
E-24 Decade Values					
10	11	12	13	15	16
18	20	22	24	27	30
33	36	39	43	47	51
56	62	68	75	82	91
E-96 Decade Values					
100	102	105	107	110	113
115	118	121	124	127	130
133	137	140	143	147	150
154	158	162	165	169	174
178	182	187	191	196	200
205	210	215	221	226	232
237	243	249	255	261	267
274	280	287	294	301	309
316	324	332	340	348	357
365	374	383	392	402	412
422	432	442	453	464	475
487	499	511	523	536	549
562	576	590	604	619	634
649	665	681	698	715	732
750	768	787	806	825	845
866	887	909	931	953	976
E-192 Decade Values					
100	101	102	104	105	106
107	109	110	111	113	114
115	117	118	120	121	123
124	126	127	129	130	132
133	135	137	138	140	142
143	145	147	149	150	152
154	156	158	160	162	164
165	167	169	172	174	176
178	180	182	184	187	189
191	193	196	198	200	203
205	208	210	213	215	218
221	223	226	229	232	234
237	240	243	246	249	252
255	258	261	264	267	271
274	277	280	284	287	291
294	298	301	305	309	312
316	320	324	328	332	336
340	344	348	352	357	361
365	370	374	379	383	388
392	397	402	407	412	417
422	427	432	437	442	448
453	459	464	470	475	481
487	493	499	505	511	517
523	530	536	542	549	556
562	569	576	583	590	597
604	612	619	626	634	642
649	657	665	673	681	690
698	706	715	723	732	741
750	759	768	777	787	796
806	816	825	835	845	856
866	876	887	898	909	920
931	942	953	965	976	988