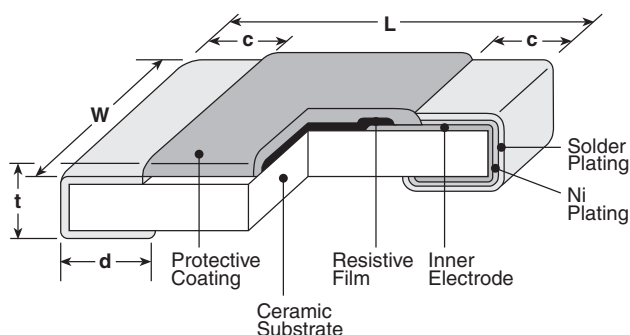


features

- Silver element
- Marking: White "000" on black protective coat
1F black with no marking
1H and 1E sizes are green with no marking
1J has white "0" marking
- Products with lead-free terminations meet EU RoHS requirements. EU RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.
- AEC-Q200 Qualified: 0201 (1H), 0402 (1E), 0603 (1J), 0805 (2A), 1206 (2B), 1210 (2E), 2010 (2H/W2H), 2512 (3A/W3A)

dimensions and construction



Type (Inch Size Code)	Dimensions inches (mm)				
	L	W	c	d	t
1F (01005)	.016±.0008 (0.4±0.02)	.008±.0008 (0.2±0.02)	.004±.001 (0.10±0.03)	.004±.001 (0.11±0.03)	.005±.0008 (0.13±0.02)
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±.001 (0.23±0.03)
1E (0402)	.039 ^{+.004} _{-.002} (1.0 ^{+.01} _{-.05})	.02±.002 (0.5±0.05)	.008±.004 (0.2±0.1)	.01 ^{+.002} _{-.004} (0.25 ^{+.05} _{-.1})	.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} _{-.1})	.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} _{-.1})	.024±.004 (0.6±0.1)
2E (1210)		.102±.008 (2.6±0.2)			
2H (2010)		.098±.008 (2.5±0.2)			
W2H (2010)		.098±.008 (2.5±0.2)			
3A (2512)	.248±.008 (6.3±0.2)	.122±.008 (3.1±0.2)	.02±.012 (0.5±0.3)	.026±.006 (0.65±0.15)	.024±.004 (0.6±0.1)
W3A (2512)				.016 ^{+.008} _{-.004} (0.4 ^{+.02} _{-.1})	
				.026±.006 (0.65±0.15)	

ordering information

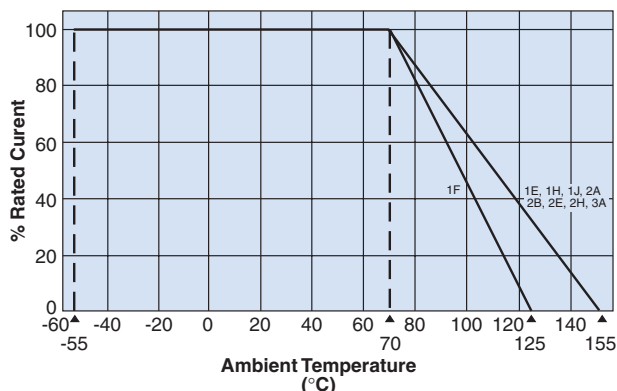
New Part #	RK73Z	2B	T	TD
	Type	Size	Termination Material	Packaging
		1F 1H 1E 1J 2A 2B 2E W2H W3A 2H 3A	T: Sn (1F, 1H, 1E, 1J, 2A, 2B, 2E, 2H, 3A) Contact factory for below options: L: SnPb (1E, 1J, 2A, 2B, 2E, 2H, 3A only) G: Au (1E, 1J, 2A)	TX: 01005 only: 4mm width - 1mm pitch embossed plastic TBL: 01005 only: 2mm pitch pressed paper TA: 0201 only: 1mm pitch pressed paper TC: 0201 only: 7" 2mm pitch pressed paper (TC: 10,000 pcs/reel, TCM: 15,000 pcs/reel) TCD: 0201 only: 10" 2mm pitch pressed paper TPL: 0402 only: 2mm pitch punch paper TP: 0402, 0603, 0805: 7" 2mm pitch punch paper TD: 0603, 0805, 1206, 1210: 7" 4mm pitch punched paper TDD: 0603, 0805, 1206, 1210: 10" paper tape TE: 0805, 1206, 1210, 2010 & 2512: 7" embossed plastic TED: 0805, 1206, 1210, 2010 & 2512: 10" embossed plastic For further information on packaging, please refer to Appendix A

applications and ratings

Part Designation	Maximum Continuous Current @ 70°C	Maximum Overload Current @ 70°C	Maximum Resistance	Operating Temperature Range
RK73Z1F	0.5 Amps	1.0 Amp Max. for < 1 second	50mΩ	-55°C to +125°C
RK73Z1H	0.5 Amps	1.0 Amp Max. for < 1 second		-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 RK73ZW2H RK73ZW3A	2.0 Amps	10 Amp Max. for < 1 second		

environmental applications

Derating Curve



For resistors operated at an ambient temperature of 70°C or above, a current rating shall be derated in accordance with the above derating curve.

Performance Characteristics

Parameter	Requirement		Test Method
	Limit	Typical	
Resistance	50mΩ Max. after the test	15mΩ Max. after the test	25°C
Overload (Short time)	50mΩ Max. after the test	18mΩ Max. after the test	Maximum overload current for 5 seconds
Resistance to Solder Heat	50mΩ Max. after the test	15mΩ Max. after the test	260°C ± 5°C, 10 seconds ± 1 second
Rapid Change of Temperature	50mΩ Max. after the test	15mΩ Max. after the test	-55°C (30 minutes), +125°C (30 minutes), 100 cycles
Moisture Resistance	100mΩ Max. after the test	18mΩ Max. after the test	40°C ± 2°C, 90%-95% RH, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
Endurance at 70°C	100mΩ Max. after the test	18mΩ Max. after the test	70°C ± 2°C, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
High Temperature Exposure	100mΩ Max. after the test	15mΩ Max. after the test	+125°C, 1000 hours: 1F +155°C, 1000 hours: 1H, 1E, 1J, 2A, 2B, 2E, W2H, W3A