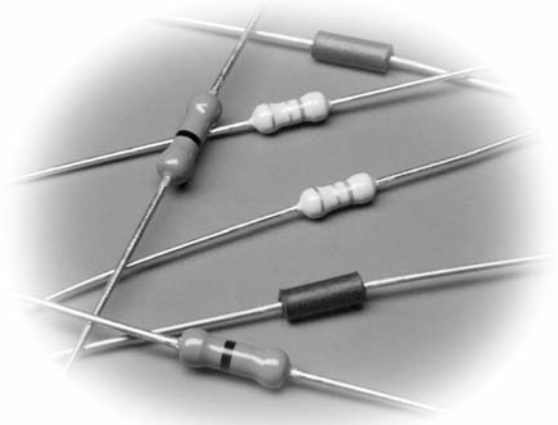
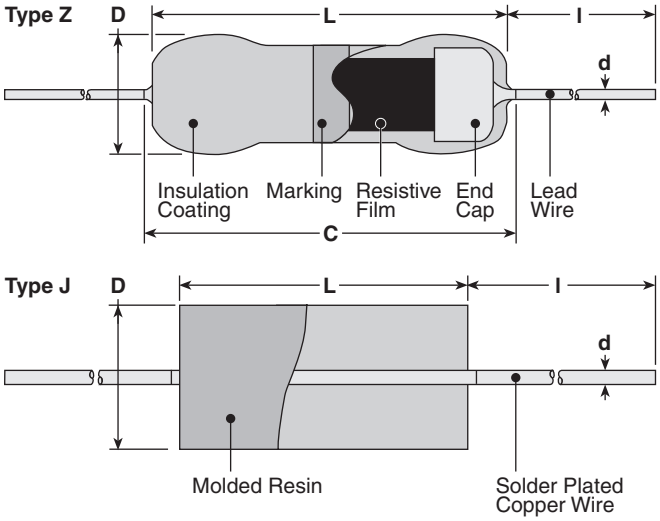


features

- Type Z are conformal coated
- Type J are molded
- Suitable for automatic machine insertion
- Size compatible with 1/8, 1/4 and 1/2 watt resistors
- Marking: Type Z are tan color, single black band identifier
  Type J are black, no marking
- Products with lead-free terminations meet EU RoHS and China RoHS requirements

dimensions and construction



Type	Dimensions inches (mm)				
	L (ref.)	C (max.)	D	d (nom.)	l
Z16	.126±.008 (3.2±0.2)	.134 (3.4)	.067 $^{+.008}_{-.004}$ (1.7 $^{+0.2}_{-0.1}$)	.018 (0.45)	.787 min. (20.0 min.)
Z25	.240±.02 (6.1±0.5)	.280 (7.1)	.091±.012 (2.3±0.3)	.024 (0.6)	
Z25Y	.228 (5.8)		.087±.004 (2.2±0.1)		1.18±.118 (30.0±3.0)
J1/6Z	.134 $^{+.004}_{-.008}$ (3.4 $^{+0.1}_{-0.2}$)	—	.067±.008 (1.7±0.2)	.020 (0.5)	
J1/4Z	.256±.02 (6.5±0.5)	—	.091 $^{+0}_{-.012}$ (2.3 $^{+0}_{-0.3}$)	.024 (0.6)	

ordering information

New Part #

Z16	C	T52	A
Type	Termination Material	Taping and Forming	Packaging
Z16 Z25 Z25Y J1/4Z J1/6Z	C: SnCu	T26, T52	A: Ammo R: Reel

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

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

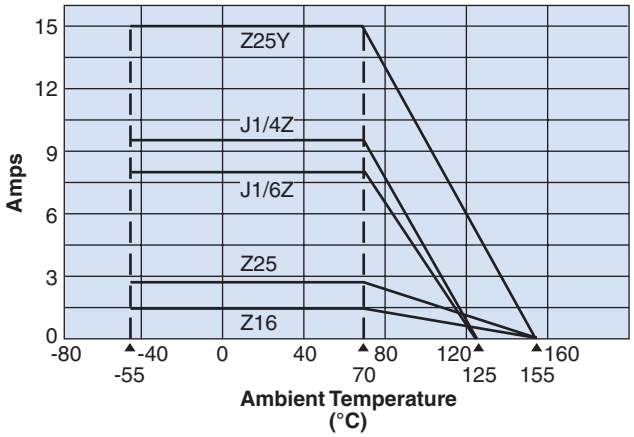
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applications and ratings

Part Designation	Maximum Amperage	Minimum Dielectric Withstanding Voltage	Resistance	Rated Ambient Temperature	Operating Temperature Range
Z16	1.5A	300V	20mΩ or less	+70°C	-55°C to +155°C
Z25	2.5A	500V			
Z25Y	15A	500V	20mΩ or less		
J1/6Z	8A	—	10mΩ Max.		
J1/4Z	10A	—			-55°C to +125°C

environmental applications

Derating Curve



Performance Characteristics

Parameter	Requirement	Test Method
Resistance	Less than 20mΩ	Measuring points are 10mm ± 1mm from the end cap
Resistance to Solder Heat		Terminal except 3mm shall be immersed in the solder, 350°C ± 5°C, 3.5 seconds ± 0.5 second
Solderability	90% coverage minimum	235°C ± 5°C, 5 seconds ± 0.5 second
Terminal Strength	No mechanical damages	(Direct Load) Z16: 5N, 30 seconds, Z25: 10N, 30 seconds (Twist Test) 360°, 5 times (Bending Test) 5N, 90°, 2 times (Z16: 2.5N)
Rapid Change of Temperature	Less than 20mΩ	-55°C (30 minutes)/+85°C (30 minutes), 5 cycles
Moisture Resistance		40°C ±2°C, 90-95% RH, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
Endurance @ 70°C		70°C ±2°C, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
Solvent Resistance	No visible damages to protective coating and marking	Isopropyl alcohol with ultrasonic cleansing for 2 minutes Power: 0.3W/cm², f: 28kHz, Temperature: 35°C ± 5°C