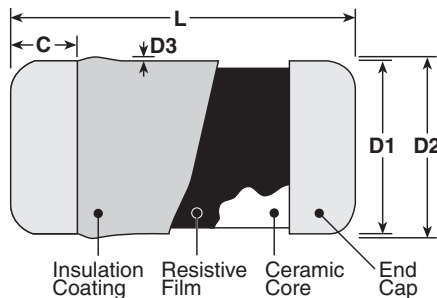




## features

- Extremely low resistance
- Higher electrode strength and lower current noise ratio than flat chip resistors
- Meets or exceeds EIAJ-8011, EIA-PDP-100
- Marking: Brown body color with no marking
- Products with lead-free terminations meet RoHS requirements. Pb located in glass material, electrode and resistor element is exempt per Annex 1, exemption 5 of EU directive 2005/95/EC

## dimensions and construction



Type (Inch Size Code)	Dimensions inches (mm)				
	L	C (min.)	D1	D2 (max.)	D3 (max.)
<b>CC10</b> <b>(0805)</b>	.079±.004 (2.0±0.1)	.012 (0.3)	.049±.002 (1.25±0.05)	.051 (1.3)	.003 (0.07)
<b>CC12</b> <b>(1406)</b>	.138±.008 (3.5±0.2)	.02 (0.5)	.057±.004 (1.45±0.1)	.061 (1.55)	.004 (0.1)
<b>CC12M</b> <b>(1406)</b>	.138±.02 (3.5±0.5)	.02 (0.5)	.055±.004 (1.4±0.1)	.061 (1.55)	.006 (0.15)
<b>CC20</b> <b>(1206)</b>	.126±.008 (3.2±0.2)	.02 (0.5)	.061±.006 (1.55±0.15)	.069 (1.75)	.004 (0.1)
<b>CC25</b> <b>(2309)</b>	.232±.008 (5.9±0.2)	.02 (0.5)	.087±.004 (2.2±0.1)	.094 (2.4)	.006 (0.15)

## ordering information

New Part #	CC	10	T	TE
	Type	Size Code	Termination Material	Packaging
		10: 2A (0805) 12: 2B (1406) 12M: 2B (1406) 20: 2D (1206) 25: 2E (2309)	T: Sn (Other termination styles may be available, please contact factory for options)	TE: 7" embossed plastic TED: 10" embossed plastic

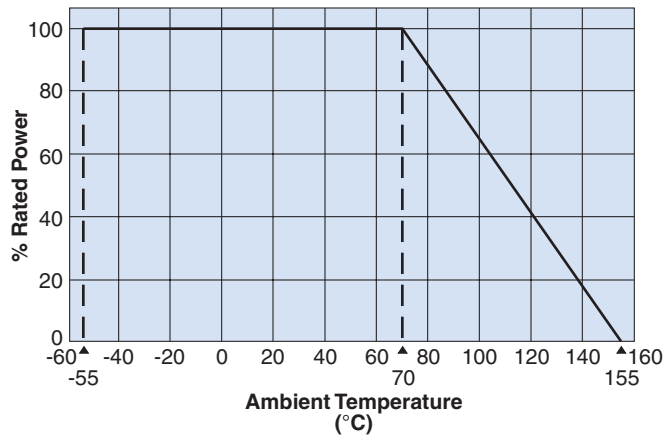
For further information on packaging, please refer to Appendix A.

## applications and ratings

Part Designation	Maximum Current	Maximum Resistance	Operating Temperature Range
CC10	2 Amps	20 mΩ	-55°C to +155°C
CC12			
CC12M			
CC20			
CC25	5 Amps		

## environmental applications

### Derating Curve



## Performance Characteristics

Parameter	Requirement Δ R		Test Method
	Limit	Typical	
Resistance	20mΩ Max. after the test	7.5mΩ Max. after the test	25°C
Resistance to Solder Heat			260°C ± 5°C, 10 seconds ± 1 second
Rapid Change of Temperature			-55°C (30 minutes), +125°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 at 70°C			70°C ± 2°C, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle