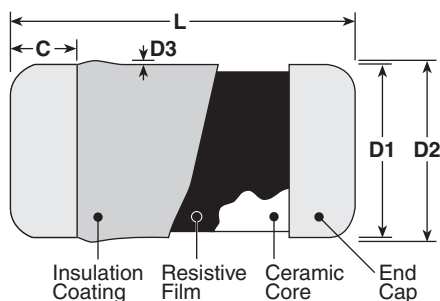


features

- Extremely low resistance
- Higher electrode strength and lower current noise ratio than flat chip resistors
- Marking: Blue body color with no 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: CC12M, CC25 only

dimensions and construction



Type (Inch/DIN Size Code)	Dimensions inches (mm)				
	L	C	D1	D2 (max.)	D3 (max.)
CC10 (0805/0102)	.079±.004 (2.0±0.1)	.012 (0.3 min.)	.049±.002 (1.25±0.05)	.053 (1.35)	.003 (0.07)
CC12M (1406/0204)	.138±.008 (3.5±0.2)	.02 ~ .035 (0.5 ~ 0.9)	.055±.004 (1.4±0.1)	.061 (1.55)	.004 (0.1)
CC20 (1206/0203)	.126±.008 (3.2±0.2)	.02 (0.5 min.)	.061±.006 (1.55±0.15)	.069 (1.75)	.004 (0.1)
CC25 (2309/0207)	.232±.008 (5.9±0.2)	.02 (0.5 min.)	.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: (0805) 12M: (1406) 20: (1206) 25: (2309)	T: Sn	TE: 7" embossed plastic

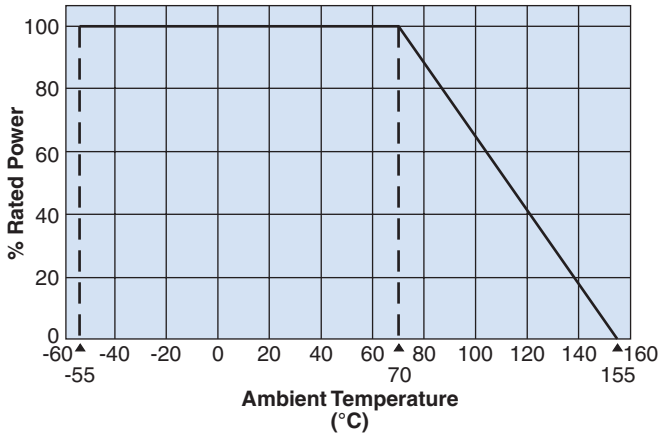
For further information on packaging, please refer to Appendix A.

applications and ratings

Part Designation	Maximum Current	Maximum Resistance	Rated Ambient Temperature	Operating Temperature Range
CC10	2 Amps	20 mΩ or less	+70°C	-55°C to +155°C
CC12M				
CC20				
CC25	5 Amps			

environmental applications

Derating Curve



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

Performance Characteristics

Parameter	Requirement Δ Real 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