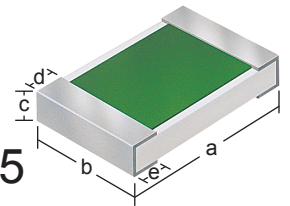




State of the Art, Inc.

Zero Ohm Chip Resistor

MIL-PRF-32159/03 Epoxy Bondable RCZ1005



Performance

Power Rating	200 mW		
Operating Range	-65 to 150°C		
Product Levels	M & T		
Termination Material	G	C	U
Current Rating	2.8 A	2.2 A	1.3 A
Maximum Resistance	0.025 Ω	0.040 Ω	0.125 Ω

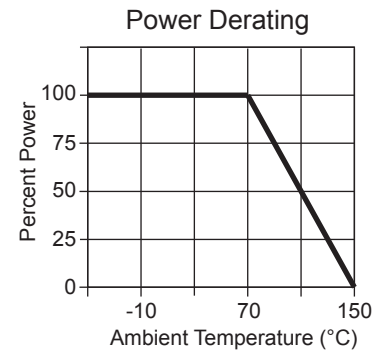
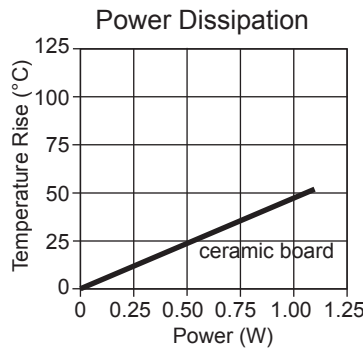
MIL-PRF-32159 provides zero ohm chip resistors (jumpers) at two product levels: military M and space level T. Both levels are subject to Group A, B, and C lot acceptance testing. While Group C does include a 2000 hour life test, it does not accumulate enough unit hours to provide an established reliability failure rate level.

Military level M is subject to Group A on a production lot basis while Groups B and C are performed on an inspection lot basis.

Space level T is subject to Groups A and B on a production lot basis while Group C is performed on an inspection lot basis. Group A includes 100% power conditioning to screen infant mortality.

Lot Acceptance Testing

Group A	Group B
Precap Visual	Short Time Overload
Thermal Shock	Mounting Integrity
Power Conditioning (space level only)	
DC Resistance	Group C
Visual Inspection	Life (2000 hours)
Solderability	Thermal Shock
Resistance to Solvents	Low Temperature Operation
	Resistance to Mounting
	Moisture Resistance
	High Temperature Exposure



Part Number

M32159C03M -TR

Packaging: -TR: Tape & Reel -W: Waffle Tray

Product Level: M: Military T: Space

Size: 03: RCZ1005

Termination Material: C: Epoxy Bondable Silver U: Epoxy Bondable Platinum Gold G: Epoxy Bondable Gold

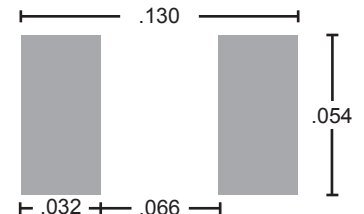
Performance Specification MIL-PRF-32159

Mechanical

	Inches	Millimeters
Length (a)	.100(.098 - .112)	2.54(2.49 - 2.84)
Width (b)	.048(.045 - .055)	1.22(1.14 - 1.40)
Thickness (c)	.018(.015 - .033)	0.46(0.38 - 0.84)
Top Termination (d)	.014(.010 - .020)	0.36(0.25 - 0.51)
Bottom Termination (e)	.014(.010 - .020)	0.36(0.25 - 0.51)

Approximate Weight 0.00540 g

Recommended Minimum Bond Pads (inches)



State of the Art, Inc. 2470 Fox Hill Road, State College, PA, USA 16803-1797

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Specifications Subject to Change Without Notice

All Products Made in the USA

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