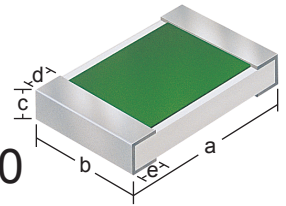




# State of the Art, Inc.

## Zero Ohm Chip Resistor

### MIL-PRF-32159/08 Epoxy Bondable RCZ2010



### Performance

Power Rating 800 mW  
 Operating Range -65 to 150°C  
 Product Levels M & T

**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.

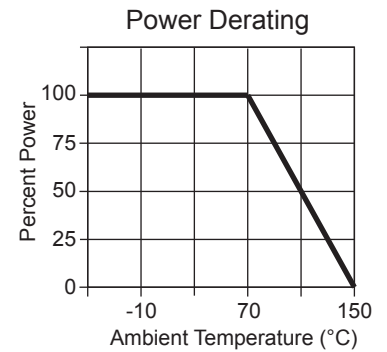
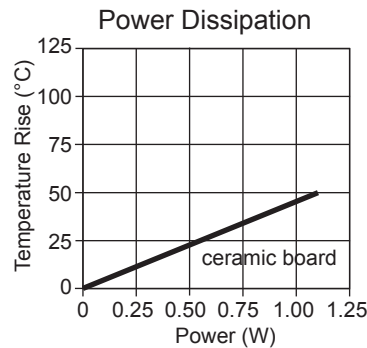
Termination Material	G	C	U
Current Rating	5.7 A	4.5 A	2.5 A
Maximum Resistance	0.025 Ω	0.040 Ω	0.125 Ω

**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

## M32159C08M -TR

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

Product Level: M: Military T: Space

Size: 08: RCZ2010

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

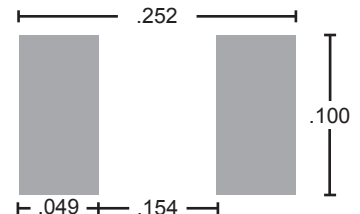
Performance Specification MIL-PRF-32159

### Mechanical

	Inches	Millimeters
Length (a)	.202(.191 - .218)	5.13(4.85 - 5.54)
Width (b)	.094(.093 - .103)	2.39(2.36 - 2.62)
Thickness (c)	.028(.015 - .033)	0.71(0.38 - 0.84)
Top Termination (d)	.020(.015 - .025)	0.51(0.38 - 0.64)
Bottom Termination (e)	.019(.015 - .025)	0.48(0.38 - 0.64)

Approximate Weight 0.03230 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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