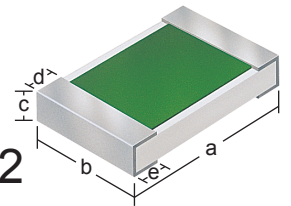




# State of the Art, Inc.

## Zero Ohm Chip Resistor

### MIL-PRF-32159/11 Epoxy Bondable RCZ0402



### Performance

Power Rating	40 mW		
Operating Range	-65 to 150°C		
Product Levels	M & T		
Termination Material	G	C	U
Current Rating	1.2 A	0.82 A	0.52 A
Maximum Resistance	0.030 Ω	0.060 Ω	0.150 Ω

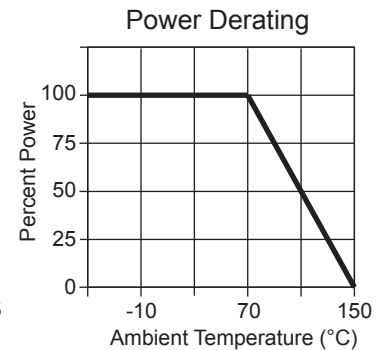
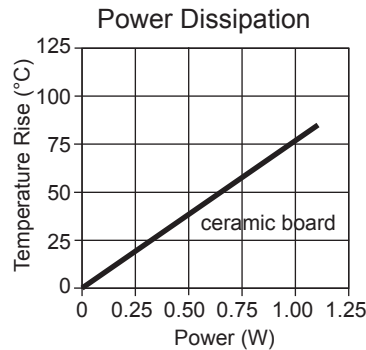
**MIL-PRF-32159** provides zero ohm chip resistors (jumpers) at two product levels: military M and space level T. Both levels are subject to Group A, B, and C lot acceptance testing. While Group C does include a 2000 hour life test, it does not accumulate enough unit hours to provide an established reliability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

## M32159C11M -TR

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

Product Level: M: Military T: Space

Size: 11: RCZ0502

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

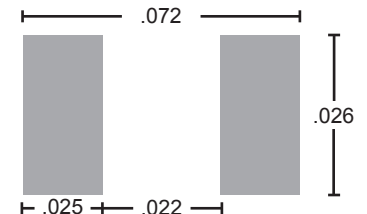
Performance Specification MIL-PRF-32159

### Mechanical

	Inches	Millimeters
Length (a)	.042(.034 - .050)	1.07(0.86 - 1.27)
Width (b)	.022(.017 - .027)	0.56(0.43 - 0.69)
Thickness (c)	.018(.010 - .033)	0.46(0.25 - 0.84)
Top Termination (d)	.007(.005 - .015)	0.17(0.13 - 0.38)
Bottom Termination (e)	.008(.005 - .015)	0.20(0.13 - 0.38)

Approximate Weight 0.00108 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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