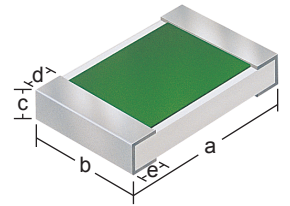




# State of the Art, Inc.

## Zero Ohm Chip Resistor

### MIL-PRF-32159/09 Solderable RCZ2512



#### Performance

Power Rating	1000 mW
Operating Range	-65 to 150°C
Product Levels	M & T
Current Rating	6.3 A
Maximum Resistance	0.025 Ω

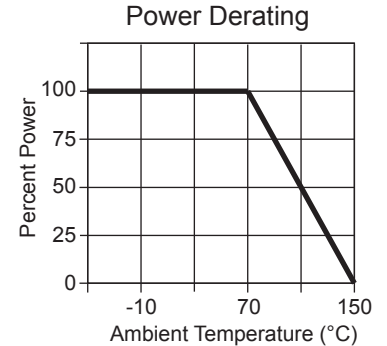
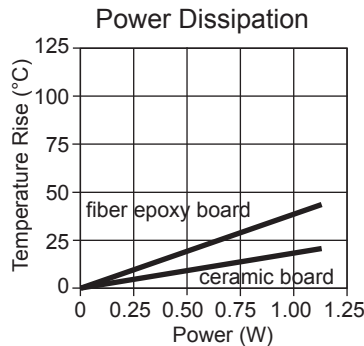
**MIL-PRF-32159** provides zero ohm chip resistors (jumpers) at two product levels: military M and space level T. Both levels are subject to Group A, B, and C lot acceptance testing. While Group C does include a 2000 hour life test, it does not accumulate enough unit hours to provide an established reliability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

### M32159B09M -TR

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

Product Level: M: Military T: Space

Size: 09: RCZ2512

Termination Material: B: Solderable (SnPb solder over nickel)

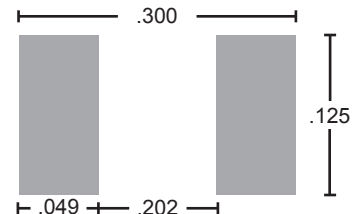
Performance Specification MIL-PRF-32159

#### Mechanical

	Inches	Millimeters
Length (a)	.250(.244 - .268)	6.35(6.20 - 6.81)
Width (b)	.119(.119 - .129)	3.02(3.02 - 3.28)
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)	.020(.015 - .025)	0.51(0.38 - 0.64)

Approximate Weight 0.05130 g

Recommended Minimum Bond Pads (inches)



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

www.resistor.com Telephone: 814-355-8004 Toll Free: 800-458-3401 Fax: 814-355-2714

Specifications Subject to Change Without Notice

All Products Made in the USA

Copyright 2015 by State of the Art, Inc.