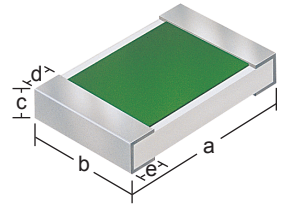




# State of the Art, Inc.

## Zero Ohm Chip Resistor

### MIL-PRF-32159/13 Solderable RM0302



#### Performance

Power Rating	35 mW
Operating Range	-65 to 150°C
Product Levels	M & T
Current Rating	1.1 A
Maximum Resistance	0.030 Ω

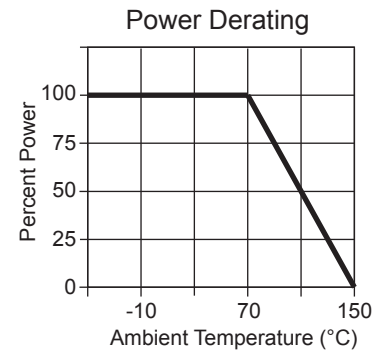
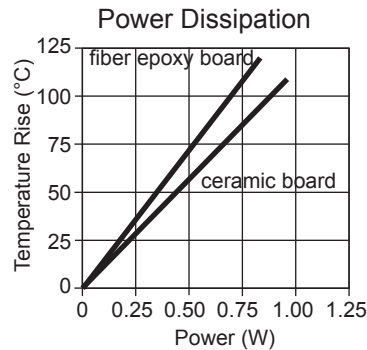
**MIL-PRF-32159** provides zero ohm chip resistors (jumpers) at two product levels: military M and space level T. Both levels are subject to Group A, B, and C lot acceptance testing. While Group C does include a 2000 hour life test, it does not accumulate enough unit hours to provide an established reliability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

### M32159B13M -TR

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

Product Level: M: Military T: Space

Size: 13: RCZ0302

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

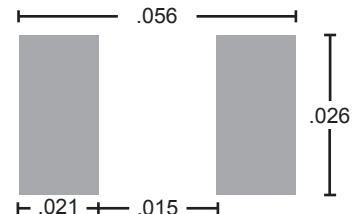
Performance Specification MIL-PRF-32159

#### Mechanical

	Inches	Millimeters
Length (a)	.032(.028 - .036)	0.81(0.71 - 0.91)
Width (b)	.022(.017 - .027)	0.56(0.43 - 0.69)
Thickness (c)	.015(.010 - .025)	0.38(0.25 - 0.51)
Top Termination (d)	.005(.002 - .012)	0.13(0.05 - 0.31)
Bottom Termination (e)	.008(.003 - .013)	0.20(0.08 - 0.33)

Approximate Weight 0.00069 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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