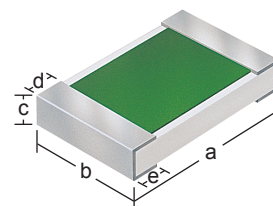




# State of the Art, Inc.

## Zero Ohm Chip Resistor

### MIL-PRF-32159/02 Solderable RCZ0505



#### Performance

Power Rating	100 mW
Operating Range	-65 to 150°C
Product Levels	M & T
Current Rating	2.2 A
Maximum Resistance	0.020 $\Omega$

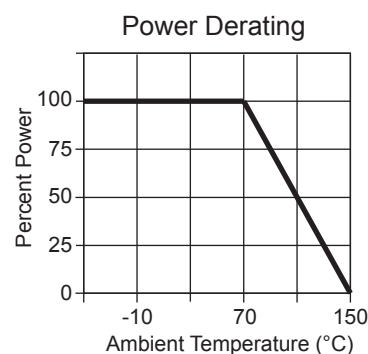
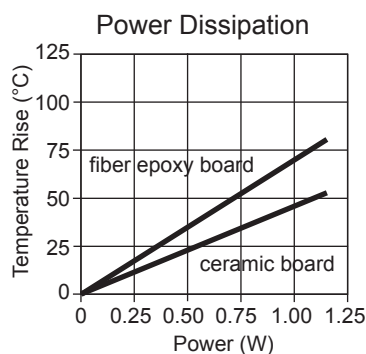
**MIL-PRF-32159** provides zero ohm chip resistors (jumpers) at two product levels: military M and space level T. Both levels are subject to Group A, B, and C lot acceptance testing. While Group C does include a 2000 hour life test, it does not accumulate enough unit hours to provide an established reliability 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)	
Group C	
DC Resistance	Life (2000 hours)
Visual Inspection	Thermal Shock
Solderability	Low Temperature Operation
Resistance to Solvents	Resistance to Mounting
	Moisture Resistance
	High Temperature Exposure



#### Part Number

**M32159B02M -TR**

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

Product Level: M: Military T: Space

Size: 02: RCZ0505

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

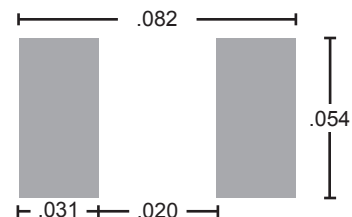
Performance Specification MIL-PRF-32159

#### Mechanical

	Inches	Millimeters
Length (a)	.054(.050 - .060)	1.37(1.27 - 1.52)
Width (b)	.050(.045 - .055)	1.27(1.14 - 1.40)
Thickness (c)	.018(.012 - .033)	0.46(0.30 - 0.84)
Top Termination (d)	.010(.005 - .015)	0.25(0.13 - 0.38)
Bottom Termination (e)	.015(.010 - .020)	0.38(0.25 - 0.51)

Approximate Weight 0.00315 g

Recommended  
Minimum  
Bond Pads  
(inches)



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Specifications Subject to Change Without Notice

All Products Made in the USA

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