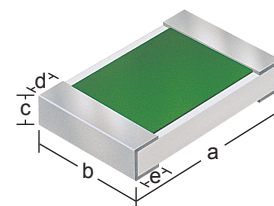




State of the Art, Inc.

Zero Ohm Chip Resistor

MIL-PRF-32159/12 Solderable RCZ0603



Performance

Power Rating	70 mW
Operating Range	-65 to 150°C
Product Levels	M & T
Current Rating	1.5 A
Maximum Resistance	0.030 Ω

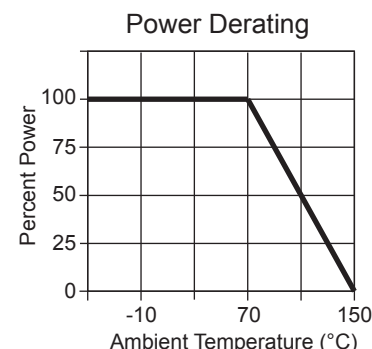
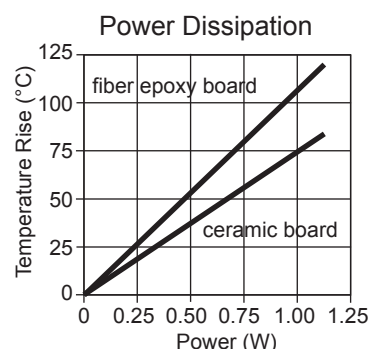
MIL-PRF-32159 provides zero ohm chip resistors (jumpers) at two product levels: military M and space level T. Both levels are subject to Group A, B, and C lot acceptance testing. While Group C does include a 2000 hour life test, it does not accumulate enough unit hours to provide an established reliability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

M32159B12M -TR

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

Product Level: M: Military T: Space

Size: 12: RCZ0603

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

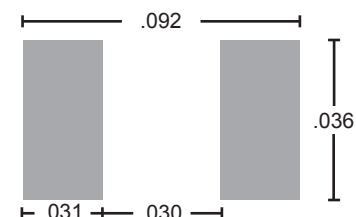
Performance Specification MIL-PRF-32159

Mechanical

	Inches	Millimeters
Length (a)	.064(.058 - .070)	1.63(1.47 - 1.78)
Width (b)	.032(.027 - .037)	0.81(0.69 - 0.94)
Thickness (c)	.017(.010 - .033)	0.43(0.25 - 0.84)
Top Termination (d)	.010(.007 - .017)	0.25(0.18 - 0.43)
Bottom Termination (e)	.015(.010 - .020)	0.38(0.25 - 0.51)

Approximate Weight 0.00232 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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