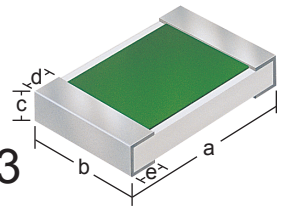




State of the Art, Inc.

Zero Ohm Chip Resistor

MIL-PRF-32159/12 Epoxy Bondable RCZ0603



Performance

Power Rating	70 mW		
Operating Range	-65 to 150°C		
Product Levels	M & T		
Termination Material	G	C	U
Current Rating	1.5 A	1.1 A	0.68 A
Maximum Resistance	0.030 Ω	0.060 Ω	0.150 Ω

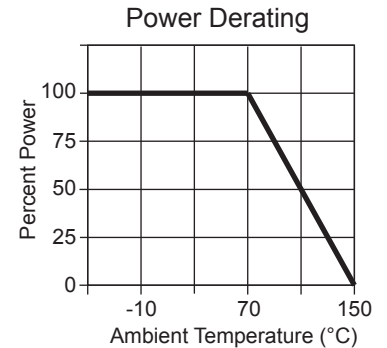
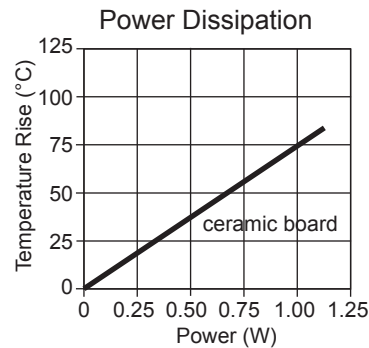
MIL-PRF-32159 provides zero ohm chip resistors (jumpers) at two product levels: military M and space level T. Both levels are subject to Group A, B, and C lot acceptance testing. While Group C does include a 2000 hour life test, it does not accumulate enough unit hours to provide an established reliability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

M32159C12M -TR

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

Product Level: M: Military T: Space

Size: 12: RCZ0603

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

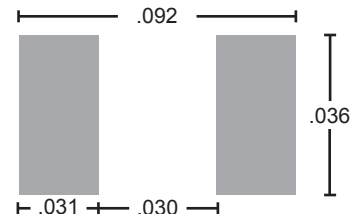
Performance Specification MIL-PRF-32159

Mechanical

	Inches	Millimeters
Length (a)	.062(.058 - .070)	1.57(1.47 - 1.78)
Width (b)	.032(.027 - .037)	0.81(0.69 - 0.94)
Thickness (c)	.018(.010 - .033)	0.46(0.25 - 0.84)
Top Termination (d)	.010(.007 - .017)	0.25(0.18 - 0.43)
Bottom Termination (e)	.014(.010 - .020)	0.36(0.25 - 0.51)

Approximate Weight 0.00235 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.