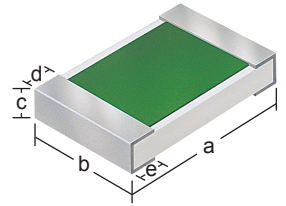




State of the Art, Inc.

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 |

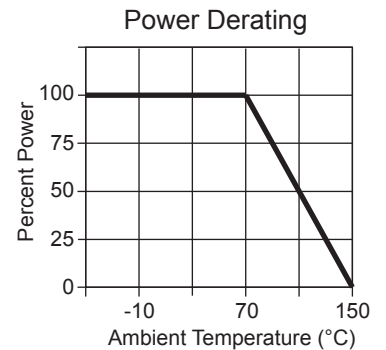
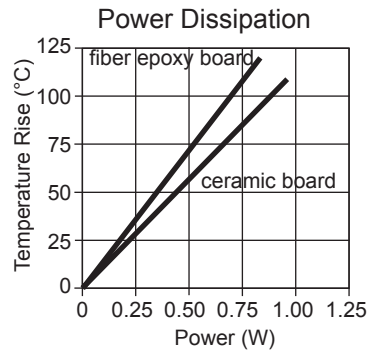
MIL-PRF-32159 provides zero ohm chip resistors (jumpers) at two product levels: military M and space level T. Both levels are subject to Group A, B, and C lot acceptance testing. While Group C does include a 2000 hour life test, it does not accumulate enough unit hours to provide an established reliability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

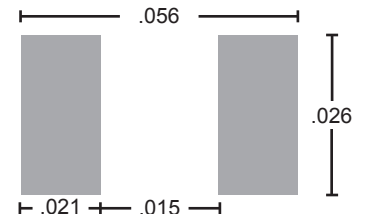
Performance Specification MIL-PRF-32159

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)



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Specifications Subject to Change Without Notice

All Products Made in the USA

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