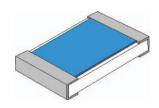


M32159/06 Zero Ohm Chip Resistor

Surface Mount, Jumper



PERFORMANCE

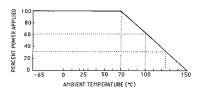
| Termination Material | B/G | С | U |
|----------------------|---------|---------|---------|
| Maximum Resistance | 0.020 Ω | 0.030 Ω | 0.100 Ω |
| Maximum Current | 2.7A | 2.2A | 1.2A |

Maximum Power Rating 150 mW

ENVIRONMENTAL PERFORMANCE

| Thermal Shock Low Temperature Operation | Not to exceed maximum value |
|--|-----------------------------|
| Short-time Overload | " |
| Resistance to Bonding Exposure | u |
| Moisture Resistance | " |
| High Temperature Exposure | u |
| Life | " |
| | |

POWER DERATING



Percentage of power to be applied at various ambient temperatures. Full rated power to 70°, linerarly derated to 0 power at 150°C.

PART NUMBERING

M32159 B 06 M

PRODUCT LEVEL DESIGNATOR*
M: Military C: Industrial T: Space Level

Size Code: RCZ0705 /06 = 0.075 X 0.050 X 0.015

Termination Material:

- B: Solderable
- C: Silver based epoxy bondable
- G: Gold epoxy bondáble
- U: Pt Au epoxy bondable

FEATURES

- Operating temperature range : -55° C to +150° C
- Solderable (termination material B) termination pretinned with SN60 over nickel barrier suitable for solder reflow vapor phase or wave solder attachment.
- MIL-PRF-55342 "S" level qualified manufacturer
- Epoxy Bondable terminations available with silver based (C), platinum gold (U) and gold (G) finishes for epoxy attachment.

PRODUCT LEVELS

All product levels are based on the same design. Level C is a Non-Established Reliability part requiring no group A, B or C testing. Military product level M is subject to group A, B and C testing per MIL-PRF-32159. Space product level T requires group A and B tests performed on a production lot basis, including 100% power conditioning.

| Length | .075 (.074086) 1.91 | (1.88 - 2.18) |
|----------------|---------------------|---------------|
| Width | .048 (.045055) 1.21 | (1.14 - 1.40) |
| Thickness | .018 (.015033) 0.46 | (0.38 - 0.84) |
| Top Term | .012 (.008024) 0.30 | (0.20 - 0.61) |
| Bottom Term | .014 (.010020) 0.36 | (0.25 - 0.51) |
| Gap | .047 (.043051) 1.19 | (1.09 - 1.29) |
| Approx. Weight | .0045 grams ´ | ` , |

Solderability: (Termination material (B) Solder coating compatible with Sn60, 62 or 63 solders, provides good wetting with all types of solder attachment. All product is tested IAW Mil-Std-202, method 208, including 8 hour steam aging.

PACKAGING

Two packaging options are available:

Waffle Pack - (170 per Tray Max.) Tape & Reel - (5000 per 8" Inch Reel Max.)

OPTIONS

SOTA offers a full line of thick & thin film resistors in the 0705 size including Standard Grade, High-Reliability (customer specified testing). Custom part marking is available.

STATE OF THE ART, INC. 2470 Fox Hill Road, State College, PA 16803-1797 Phone (814) 355-8004 Fax (814) 355-2714 **Toll Free 1-800-458-3401**