




Specification Status: Released

Electrical Rating

Voltage: 16V MAX
Current: 100A MAX

Insulating Material:
Cured, Flame Retardant Epoxy Polymer
meets UL94 V-0 Requirements

Lead Material:
20 AWG Tin Plated Copper

Marking:
 Manufacturer's Mark
 G10 and Part Identification
 Lot Identification

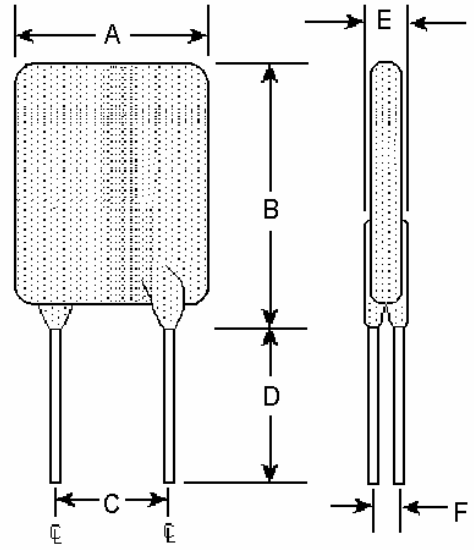


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | | F |
|------|-----|--------|--------|--------|--------|--------|--------|-----|--------|--------|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | TYP |
| mm: | -- | 16.5 | 21.1 | 25.2 | 4.3 | 5.8 | 7.6 | -- | 2.0 | 3.0 | 1.2 |
| in*: | -- | (0.65) | (0.83) | (0.99) | (0.17) | (0.23) | (0.30) | -- | (0.08) | (0.12) | (0.05) |

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

| I HOLD RATED CURRENT | CURRENT RATINGS | | INITIAL RESISTANCE VALUES | | TIME TO TRIP | R ₁ MAX 1 HR. POST TRIP RESISTANCE STANDARD TRIP | TRIPPED-STATE POWER DISSIPATION |
|----------------------|-------------------|-------------------|---------------------------|--------|-----------------------------|---|---------------------------------|
| AMPS AT 25°C HOLD | AMPS AT 25°C HOLD | AMPS AT 25°C TRIP | OHMS AT 25°C | | SECONDS AT 25°C, 50.0 A MAX | OHMS AT 25°C MAX | WATTS AT 25°C TYP |
| 10.0 | 10.0 | 17.0 | MIN | MAX | 6.0 | 0.0102 | 3.6 |
| | | | 0.0040 | 0.0070 | | | |

Agency Recognitions: UL, CSA, TUV.
 Reference Documents: PS300
 Precedence: This specification takes precedence over documents referenced herein.
 Effectivity: Reference documents shall be the issue in effect on the date of invitation for bid.
 CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information

ROHS Compliant

ELV Compliant

Pb-Free

Halogen Free*



* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.



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PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: RGEF1000

DOCUMENT: SCD25199
REV LETTER: F
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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