

## Specification Status: Released

### Electrical Rating

Voltage: 16V MAX

Current: 100A MAX

### Insulating Material:

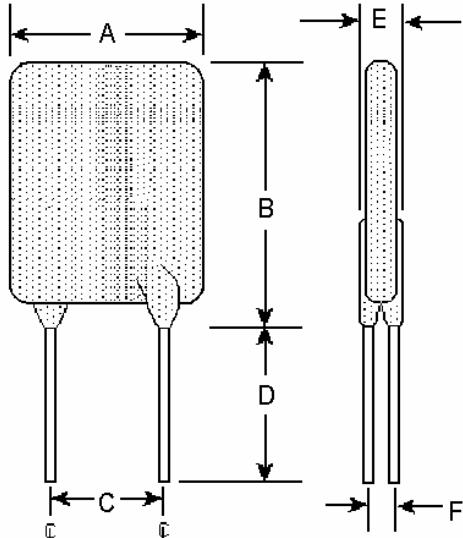
 Cured, Flame Retardant Epoxy Polymer  
 meets UL94 V-0 Requirements

### Lead Material:

20 AWG Tin Plated Copper

### Marking:

 G10 and Part Identification

 Lot Identification

**TABLE I. DIMENSIONS:**

	A MIN	A MAX	B MIN	B MAX	C MIN	C MAX	D MIN	D MAX	E MIN	E MAX	F 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 <sub>1</sub> 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	MIN	MAX	SECONDS AT 25°C, 50.0 A MAX	OHMS AT 25°C MAX	WATTS AT 25°C TYP
10.0	10.0	17.0	OHMS AT 25°C	0.0040	0.0070	6.0	0.0102	3.6

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\*

 Directive 2002/95/EC  
 Compliant

 Directive 2000/53/EC  
 Compliant


\* 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

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