

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RGEF800

DOCUMENT: SCD25197

REV LETTER: E

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

Specification Status: Released

Electrical Rating Voltage: 16V MAX Current: 100A MAX

Insulating Material:

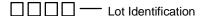
Cured, Flame Retardant Epoxy Polymer meets UL94 V-0 Requirements

Lead Material:

20 AWG Tin Plated Copper (0.81mm [0.032] nom. diameter)

Marking:

Manufacturer's Mark and Part Identification \times G8



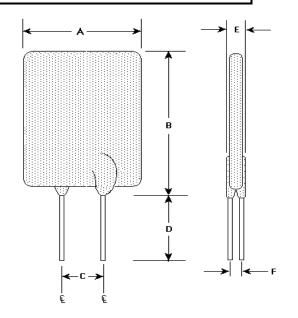


TABLE I. DIMENSIONS:

	Α		В		С		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	11.7	12.7	16.0	20.9	4.3	5.8	7.6		2.0	3.0	1.2
in*:	(0.46)	(0.50)	(0.63)	(0.82)	(0.17)	(0.23)	(0.30)		(80.0)	(0.12)	(0.05)

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD RATED CURRENT	RATED RATINGS		INITIAL RESISTANCE VALUES		TIME TO TRIP	R _{1 MAX} 1 HR. POST TRIP RESISTANCE STANDARD TRIP	TRIPPED- STATE POWER DISSIPATION
AMPS	AMPS		OHMS		SECONDS AT	OHMS	WATTS
AT 25°C	AT 25°C		AT 25°C		25°C, 40.0 A	AT 25°C	AT 25°C
HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	TYP
8.0	8.0	13.6	0.0056	0.0110	5.0	0.0175	3.0

UL, CSA, TUV. Agency Recognitions: 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 Halogen Free* Pb-Free

Directive 2002/95/EC Compliant

Specifications are subject to change without notice.

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Directive 2000/53/EC Compliant





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



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