

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RGEF1100

DOCUMENT: SCD25200

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



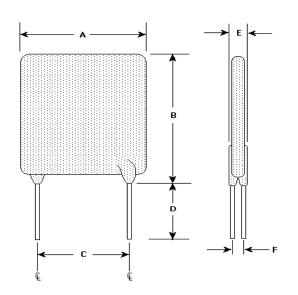


TABLE I. DIMENSIONS:

	Α		В		С		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	16.5	17.5	21.1	26.0	4.3	5.8	7.6		2.0	3.0	1.2
in*:	(0.65)	(0.69)	(0.83)	(1.02)	(0.17)	(0.23)	(0.30)		(80.0)	(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	AMPS AMPS		OHMS		SECONDS AT	OHMS	WATTS					
AT 25°C	AT 25°C AT 25°C		AT 25°C		25°C, 55.0 A	AT 25°C	AT 25°C					
HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	TYP					
11.0	11.0	18.7	0.0037	0.0060	7.0	0.0089	3.7					

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

Directive 2002/95/EC

Compliant

ROHS Compliant

ELV Compliant

Pb-Free

Halogen Free*

Directive 2000/53/EC Compliant





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



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