

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RGEF800K

DOCUMENT: SCD26182

REV LETTER: D

REV DATE: JULY 26, 2016

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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:

 \times G8

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

Marking:

Manufacturer's Mark

_____ Lot Identification

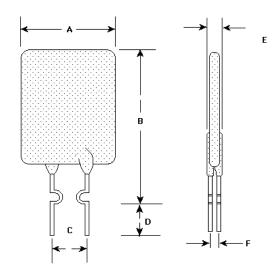


TABLE I. DIMENSIONS:

and Part Identification

	Α		В		С		D		Е		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	11.7	12.7	-	23.5	4.3	5.8	7.6		2.0	3.0	1.2
in*:	(0.46)	(0.50)	-	(0.93)	(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	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

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





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Specifications are subject to change without notice.

Revised July 26, 2016

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



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