

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RGEF300K

DOCUMENT: SCD26096

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:

 \times G3

Manufacturer's Mark
 and Part Identification

□□□□ — Lot Identification

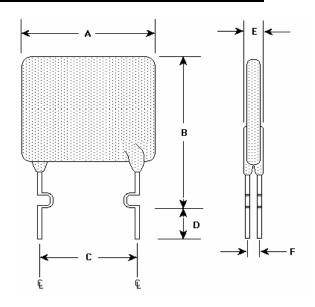


TABLE I. DIMENSIONS:

	Α		В		С		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	6.1	7.1	-	13.6	4.3	5.8	7.6	-	2.0	3.0	1.2
in*:	(0.24)	(0.28)	-	(0.54)	(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, 15A	AT 25°C	AT 25°C
HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	TYP
3.0	3.0	5.1	0.0380	0.0650	1.0	0.0975	2.3

Recognition: 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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