

308 Constitution Drive Menlo Park, CA USA www.circuitprotection.com

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RGEF500

DOCUMENT: SCD25194

REV LETTER: E

REV DATE: MARCH 04, 2013

PAGE NO.: 1 OF 1

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)

Part Marking:

Manufacturer's Mark

X G5 and Part Identification



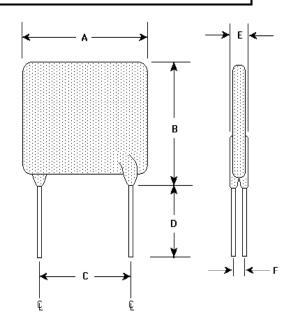


TABLE I. DIMENSIONS:

	Α		В		С		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	9.4	10.4	9.4	14.3	4.3	5.8	7.6	-	2.0	3.0	1.2
in*:	(0.37)	(0.41)	(0.37)	0.56)	(0.17)	(0.23)	(0.30)	-	(0.08)	(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	T 25°C AT 25°C		AT 25°C		25°C, 25A	AT 25°C	AT 25°C			
HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	TYP			
5.0	5.0	8.5	0.0150	0.0240	2.0	0.0340	2.6			

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





© 2005, 2013 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All rights reserved.

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