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PolySwitch® **PTC Devices**

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: RGEF900

DOCUMENT: SCD 25198

PCN: C97762 **REV LETTER: C**

REV DATE: JULY 19, 2007

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:

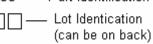
20 AWG Tin Plated Copper (0.81mm [0.032] nom. diameter)

Marking:

mm in*:

Manufacturer's Mark and Voltage XX 16 GF900 — Part Identification

Lot Identication



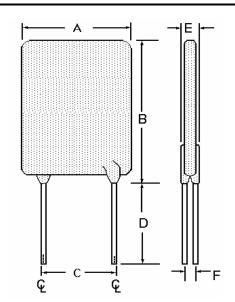


TABLE I. DIMENSIONS:

	Α		В		С		D		Е		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
า:	13.0	14.0	16.8	21.7	4.3	5.8	7.6	-	2.0	3.0	1.2
:	(0.51)	(0.55)	(0.66)	(0.85)	(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	AM	AMPS		IMS	SECONDS AT	OHMS	WATTS	
AT 25°C	AT 25°C		AT 25°C		25°C, 45.0 A AT 25°C		AT 25°C	
HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	TYP	
9.0	9.0	15.3	0.0047	0.0091	5.5	0.0135	3.3	

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

Directive 2002/95/EC Compliant

Directive 2000/53/EC Compliant



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