

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RHEF100

DOCUMENT: SCD25584

REV LETTER: E

REV DATE: July 26, 2016 PAGE NO.: 1 OF 2

Specification Status: Released

Electrical Rating

Voltage: 30V_{DC} MAX Current: 40A MAX

Insulating Material:

Cured, Flame Retardant Epoxy Polymer

meets UL94 V-0 Requirements

Lead Material:

24 AWG Tin Plated Copper Clad Steel

Part Marking:

□□□□ — Lot Identification

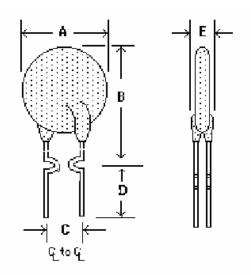


TABLE I. DIMENSIONS:

	Α		В		С		D		Е	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		9.7		13.6	4.3	5.8	7.6			3.0
in*:		(0.38)		(0.54)	(0.17)	(0.23)	(0.30)			(0.12)

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD	I HOLD CURRENT		TIME TO	INITIAL		ONE-HOUR	NOMINAL	
RATED	RATED RATINGS		TRIP	RESISTANCE		POST-TRIP	TRIPPED POWER	
CURRENT	CURRENT			VALUES		RESISTANCE	DISSIPATION	
						STANDARD TRIP		
AMPS	AMPS	SAT	SECONDS AT	OHMS		OHMS	WATTS AT	
AT 25°C	25°C		25°C, 5.0A	AT 25°C		AT 25°C	25°C 30V	
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	TYP	
1.0	1.0	1.8	5.2	0.18	0.30	0.43	1.4	

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 Information4

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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