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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RHEF100

DOCUMENT: SCD25584
REV LETTER: E
REV DATE: July 26, 2016

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:
Manufacturer's Mark
XX H1 and Part Identification

□□□□ Lot Identification

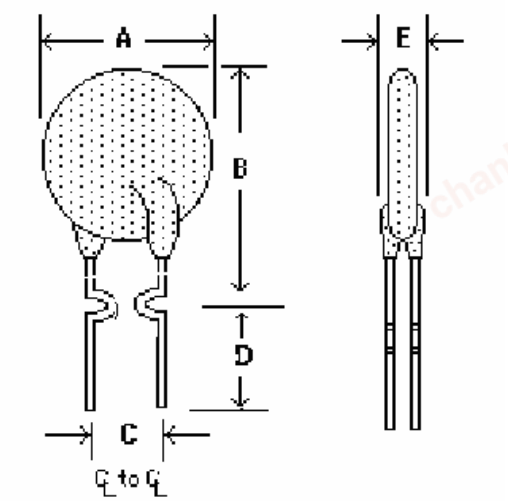


TABLE I. DIMENSIONS:

	A		B		C		D		E	
	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 RATED CURRENT	CURRENT RATINGS		TIME TO TRIP	INITIAL RESISTANCE VALUES		ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	NOMINAL TRIPPED POWER DISSIPATION
AMPS AT 25°C HOLD	AMPS AT 25°C HOLD	TRIP	SECONDS AT 25°C, 5.0A MAX	OHMS AT 25°C MIN	MAX	OHMS AT 25°C MAX	WATTS AT 25°C 30V 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 — Directive 2002/95/EC Compliant
ELV Compliant — Directive 2000/53/EC Compliant
Pb-Free — Pb
Halogen Free* — HF

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

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