PolySwitch® PTC Devices

Overcurrent Protection Device

Specification Status: Released

Maximum Electrical Rating at 20°C
30 V_{DC} /100 A_{DC}
30 V_{AC} /70 A_{RMS}

Insulating Material:
Cured, Flame Retardant Epoxy Polymer
meets UL94 V-0 Requirements

Lead Material:
20 AWG Tin Plated Copper

Marking:
Manufacturer's Mark
XX U800 and Part Identification

□□□□ — Lot Identification

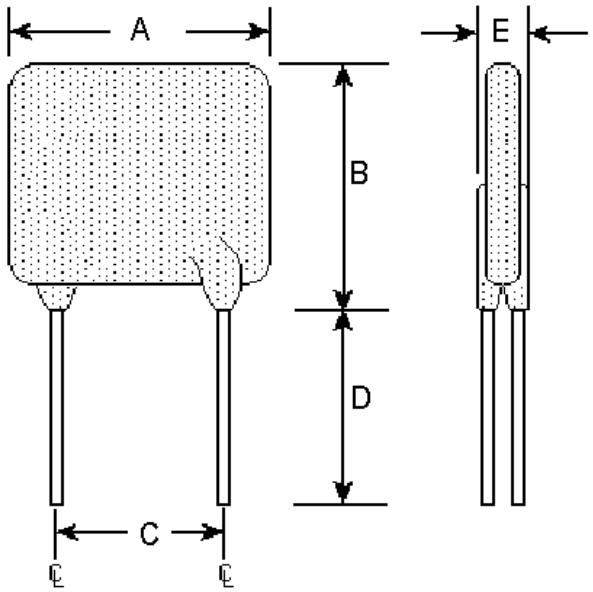

TABLE I. DIMENSIONS:

	A		B		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	--	21.6	--	28.4	9.4	10.9	7.6	--	--	3.0
in*:	--	(0.85)	--	(1.12)	(0.37)	(0.43)	(0.30)	--	--	(0.12)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HO LD	CURRENT RATINGS		TIME TO TRIP	RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	TRIPPED POWER DISSIPATION	
AMPS 20°C HOLD	AMPS AT 20°C HOLD	TRIP	SECONDS AT 20°C, 40A MAX	OHMS AT 20°C MIN	MAX	OHMS AT 20°C MAX	WATTS AT 20°C NOMINAL	WATTS AT 20°C MAX
8.00	8.00	16.00	18.8	0.005	.013	0.02	4.00	4.35

Agency Recognitions: UL, CSA, TUV, CQC
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 — Directive 2002/95/EC Compliant

ELV Compliant — Directive 2000/53/EC Compliant

Pb-Free

Halogen Free*

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

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Specifications are subject to change without notice.

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