

# PolySwitch® PTC Devices Overcurrent Protection Device

PRODUCT: RUEF700K

DOCUMENT: SCD26656  
REV LETTER: D  
REV DATE: FEBRUARY 06, 2012  
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## Specification Status: Released

Maximum Electrical Rating at 20°C

30 V<sub>DC</sub> / 100 A<sub>DC</sub>

30 V<sub>AC</sub> / 70 A<sub>RMS</sub>

Insulating Material:

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

Lead Material:

20 AWG Tin Plated Copper

Marking:

Manufacturer's Mark

XX U700 and Part Identification

□ □ □ □ Lot Identification

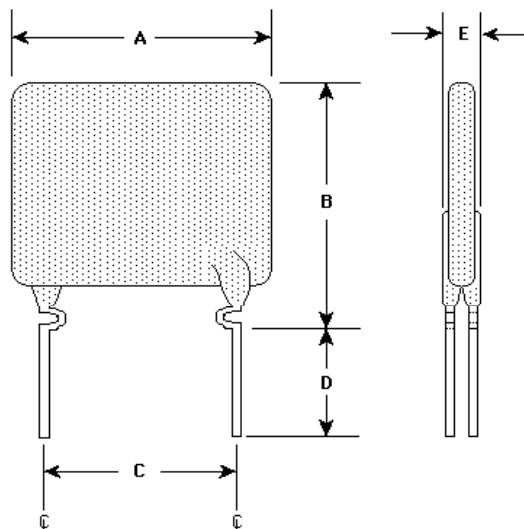


TABLE I. DIMENSIONS:

	A		B		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	--	19.1	--	27.7	9.4	10.9	7.6	--	--	3.0
in*:	--	(0.75)	--	(1.09)	(0.37)	(0.43)	(0.30)	--	--	(0.12)

\*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD	CURRENT RATINGS		TIME TO TRIP	RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	TRIPPED POWER DISSIPATION	
AMPS HOLD	AMPS AT 20°C HOLD	AMPS AT 20°C TRIP	SECONDS AT 20°C, 35.0A MAX	OHMS AT 20.0° C MIN MAX		OHMS AT 20°C MAX	WATTS AT 20°C NOMINAL	WATTS AT 20°C MAX
7.00	7.00	14.00	17.5	0.005	0.02	0.03	3.80	4.00

Agency Recognitions:  
Reference Documents:  
Precedence:  
Effectivity:  
CAUTION:

UL, CSA, TUV  
PS300

This specification takes precedence over documents referenced herein.  
Reference documents shall be the issue in effect on the date of invitation for bid.  
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



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