

308 Constitution Drive Menlo Park, CA USA www.circuitprotection.com

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RUEF700K

DOCUMENT: SCD26656

REV LETTER: D

REV DATE: FEBRUARY 06, 2012

PAGE NO.: 1 OF 1

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

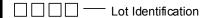
Lead Material:

20 AWG Tin Plated Copper

Marking:

mm in*: Manufacturer's Mark

X U700 and Part Identification



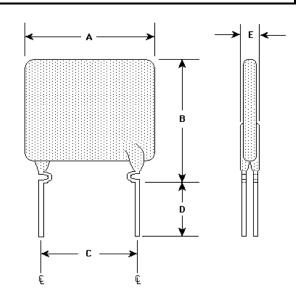


TABLE I. DIMENSIONS:

	A		В		С		D		Е	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
1:	-	19.1		27.7	9.4	10.9	7.6			3.0
		(0.75)		(1.09)	(0.37)	(0.43)	(0.30)			(0.12)

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD	D CURRENT RATINGS		TIME TO TRIP	RESISTANCE				POWER PATION	
					TRIP				
AMPS	AMPS AT		SECONDS AT	OHMS		OHMS	WATTS AT	WATTS AT	
20°C	20°C		20°C, 35.0A	AT 20.0° C		AT 20°C	20°C	20°C	
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	NOMINAL	MAX	
7.00	7.00	14.00	17.5	0.005	0.02	0.03	3.80	4.00	

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

Halogen Free*

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant





© 2006, 2012 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All rights reserved

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