

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

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

**PRODUCT: RUSBF075** 

DOCUMENT: SCD25241

**REV LETTER: F** 

REV DATE: MARCH 12, 2013

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## **Specification Status: Released**

Electrical Rating Voltage: 6V<sub>DC</sub> MAX Current: 40A MAX

Insulating Material:

Cured Flame Retardant Epoxy Polymer meets

UL 94-V-O Requirements

Lead Material:

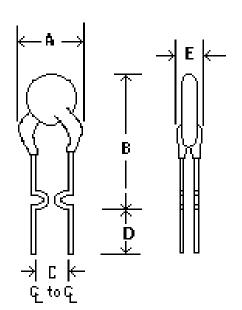
24 AWG Tin Plated Nickel Copper Alloy

Marking:

Manufacturer's Mark

X R75 and Part Identification

Lot Identification



#### **TABLE I. DIMENSIONS:**

	Α		В		С		D		Е	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		6.9	1	11.4	4.3	5.9	7.6			3.1
in*:		(0.27)	-	(0.45)	(0.17)	(0.23)	(0.30)			(0.12)

#### **TABLE II. PERFORMANCE RATINGS:**

I HOLD RATED CURRENT	RATED RATINGS		INITIAL RESISTANCE VALUES			ONE HOUR POST-TRIP RESISTANCE STANDARD TRIP	MAXIMUM TIME TO TRIP @ 8A	TRIPPED-STATE POWER DISSIPATION
AMPERS	AMPERES		OHMS			OHMS	SECONDS AT	WATTS
AT 20°C	AT 20°C		AT 20°C			AT 20°C	20°C	AT 20°C
HOLD	HOLD	TRIP	MIN	TYP	MAX	MAX		
0.75	0.75	1.3	0.11	0.14	0.175	0.23	0.4	0.3

Agency Recognition: 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





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