

Specification Status: Released

Electrical Rating
Voltage: 16V_{DC} MAX
Current: 40A MAX
Insulating Material:

 Cured Flame Retardant Epoxy Polymer
 meets

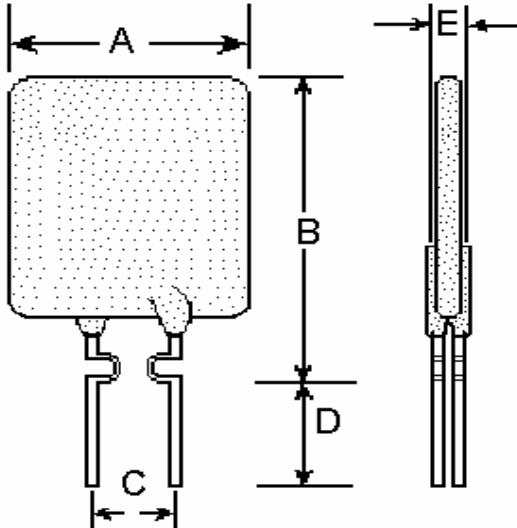
UL 94-V-O Requirements

Lead Material:

 24 AWG Tin Plated Copper Clad
 Steel

Marking:

 Manufacturer's Mark
XX R90 and Part Identification


 Lot Identification

TABLE I. DIMENSIONS:

mm:	A		B		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
--	7.4	--	12.2	4.3	5.8	7.6	--	--	--	3.1
in*:	--	(0.29)	--	(0.48)	(0.17)	(0.23)	(0.30)	--	--	(0.12)

TABLE II. PERFORMANCE RATINGS:

I HOLD RATED CURRENT	CURRENT RATINGS		INITIAL RESISTANCE VALUES			ONE HOUR POST-TRIP RESISTANCE STANDARD TRIP	TIME TO TRIP @ 8A	TRIPPED- STATE POWER DISSIPATION
AMPERS AT 20°C HOLD	AMPERES AT 20°C HOLD	AMPERES AT 20°C TRIP	OHMS AT 20°C MIN	OHMS AT 20°C TYP	OHMS AT 20°C MAX	OHMS AT 20°C MAX	SECONDS AT 20°C	WATTS AT 20°C
0.90	0.90	1.80	0.07	0.10	0.12	0.18	1.2	0.6

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


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



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: RUSBF090

DOCUMENT: SCD25242
REV LETTER: G
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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