

**Specification Status: RELEASED**
**Max Electrical Rating at 20°C**

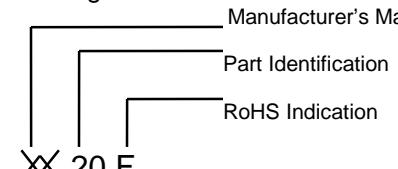
 Operating Voltage: 60V<sub>DC</sub>

 Interrupt Current: 3A<sub>RMS</sub>

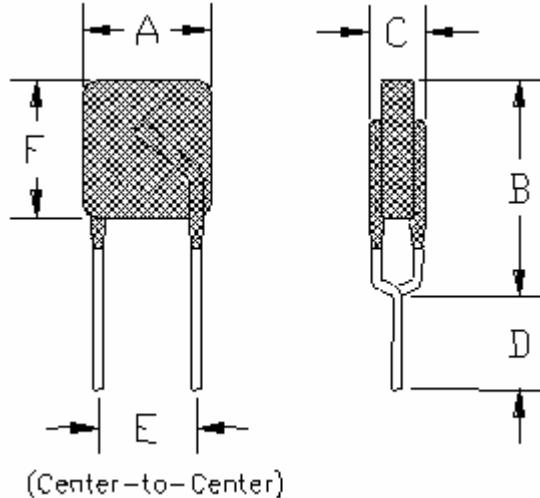
 Fault Voltage: 250V<sub>RMS</sub>

**Lead Material:** 22 AWG Sn plated copper (0.65 mm [0.026"] nominal diameter)

**External Coating Material:** Cured, flame retardant epoxy polymer, meeting UL94 V-0 requirements.

**Marking:**


□□□□ Lot Identification


**TABLE I. DIMENSIONS:**

	A MIN	A MAX	B MIN	B MAX	C MIN	C MAX	D MIN	D MAX	E NOM	F MIN	F MAX
mm:	--	6.5	--	11.0	--	4.6	4.7	--	5.0	--	7.0
in:	--	(0.256)	--	(0.433)	--	(0.180)	(0.185)	--	(0.197)	--	(0.276)

**TABLE II. PERFORMANCE RATINGS @ 20°C (unless otherwise noted):**

IHOLD (A)	ITRIP (A)	RESISTANCE (Ω)			TIME TO TRIP (s) @ 1A	OPERATING TEMPERATURE (°C)	
		R MIN	R MAX	R <sub>1</sub> MAX*		TYP	MIN
0.130	0.260	5.4	7.5	14.0	3	-40	85

\*Maximum device resistance at 20°C measured 1-hour post trip.

Additional Ratings @ 20°C

Resistance Matched 0.5 Ohm

Lightning Withstand ITU-T at 1.5kV

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.

**ROHS Compliant**

 Directive 2002/95/EC  
Compliant

**ELV Compliant**

 Directive 2000/53/EC  
Compliant

**Pb-Free**




**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: TRF250-120T-RC-B-0.5**

DOCUMENT: SCD26438

REV LETTER: D

REV DATE: JULY 26, 2016

PAGE NO.: 2 OF 2

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