

Specification Status: RELEASED

Max Electrical Rating at 20°C

Operating Voltage: 60V_{DC}

Interrupt Current: 3A_{RMS}

Fault Voltage: 250V_{RMS}

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:

Manufacturer's Mark
Part Identification
RoHS Indication
XX 20 F
Lot Identification

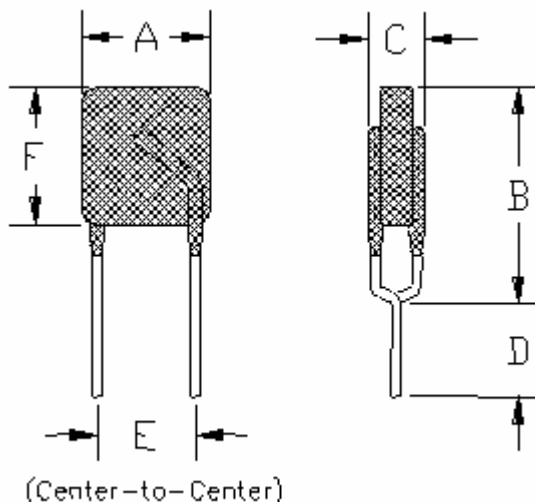


TABLE I. DIMENSIONS:

	A		B		C		D		E	F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM	MIN	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 ₁ MAX*		MIN	MAX
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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