

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TRF250-080T

D

(Center-to-Center)

DOCUMENT: SCD26314

REV LETTER: I REV DATE: JULY 26,2016

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Specification Status: Released

Operating Conditions at 20°C:

Maximum Continuous Operating Voltage (V_{MCO}): 60V_{DC} Maximum Interrupt Current (I_{INT}): 3A_{RMS}

Fault Ratings at 20°C:

250V_{RMS}, 3A, 10 applications

Additional Info at 20°C:

- Resistance matched: n/a
- Lightning withstand: 1.0 kV per ITU-T K.20
- Helps equipment meet ITU-T K.20 Recommendations

Lead Material:

22 AWG Sn-Plated Copper (0.64 mm [0.025"] nominal diameter)

External Coating Material:

Cured, flame retardant epoxy polymer, meeting UL94 V-0 requirements

Marking:

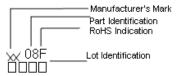


TABLE I. DIMENSIONS:

	Α		В		С		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM	
mm:		5.8		9.9		4.6	4.7		5.0	
in:*		(0.23)		(0.39)		(0.18)	(0.19)		(0.20)	

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS @ 20°C:

HOLD CURRENT (A)	TRIP RESISTANCE (Ω) CURRENT (A)		Ε (Ω)	TIME TO TRIP(Sec) @ 0.35A	OPERATING TEMPERATURE (°C)		TRIPPED POWER DISSIPATION (W) @ 60Vpc		
		R MIN	R MAX	R ₁ MAX*	MAX	MIN	MAX	TÝP	MAX
0.080	0.160	15.0	22.0	33.0	4.0	-40	85	0.6	0.7

^{*}Post Trip Resistance measured after one hour.

TABLE III. APPLICABLE PART DESCRIPTIONS:

PART DESCRIPTION	PACKAGING TYPE	NOTES
TRF250-080T	Bulk	N/A

Agency Recognitions: UL (File #E74889), CSA (File #78165C), TUV

Reference Documents: PS300, ITU-T K.20, K.21

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

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





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