

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:

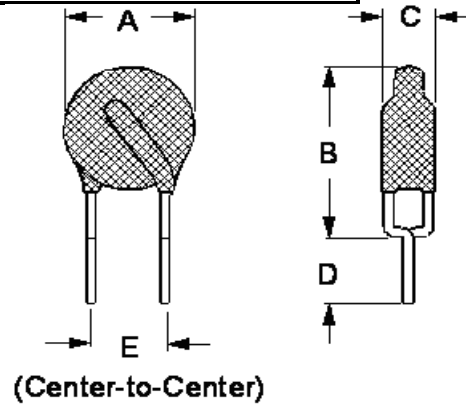
- Resistance matched: n/a
- Lightning withstand: 1.0 kV per ITU-T K.20
- Helps equipment meet ITU-T K.20 Recommendations

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:

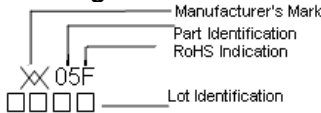


TABLE I. DIMENSIONS:

	A		B		C		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 CURRENT* * (A)	RESISTANCE (Ω)			TIME TO TRIP(Sec) @ 0.275A**		OPERATING TEMPERATURE (°C)		TRIPPED POWER DISSIPATION (W) @ 60V _{DC} **	
		R MIN	R MAX	R ₁ MAX*	TYP	MAX	MIN	MAX	TYP	MAX
0.055	0.17	15.0	25.0	35.0	3.5	6.5	-40	85	0.6	0.7

*Maximum device resistance at 20°C measured after 1 hour post trip

** Dependent on heat sinking of mounting fixture

TABLE III. APPLICABLE PART DESCRIPTIONS:

PART DESCRIPTION	PACKAGING TYPE	NOTES
TRF250-055T	Bulk	N/A

Agency Recognitions: N/A

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

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



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: TRF250-055T

DOCUMENT: SCD27714
REV LETTER: E
REV DATE: July 26,2016
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