

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TRF250-145T

DOCUMENT: SCD26222 REV LETTER: F

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

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: 1.5 kV per ITU-T K.20, K.21
- Helps equipment meet ITU-T K.20, K.21 Recommendations
- Helps equipment meet Telcordia GR1089 intrabuilding requirements



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	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:	-	(0.26)		(0.43)		(0.18)	(0.19)		(0.20)		(0.28)

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS @ 20°C:

	TRIP CURRENT	RESISTANCE (Ω)				TRIP(Sec) 1A	OPERATING TEMPERATURE			
(A)	(A)	R MIN R MAX R _{1 MAX} *			TYP MAX		(°C)		DISSIPATION (W) @ 60V _{DC} TYP	
0.145	0.290	5.4	7.5	14.0	1.5	2.5	-40	85	0.8	0.9

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

TABLE III. APPLICABLE PART DESCRIPTIONS:

PART DESCRIPTION	PACKAGING TYPE	NOTES
TRF250-145T	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 roted veltage or current may result in runture, electrical arrives or flame.

CAUTION:Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information ROHS Compliant

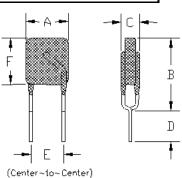
Directive 2002/95/EC

Compliant

OHS Compliant ELV Compliant

Directive 2000/53/EC Compliant







PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TRF250-145T

DOCUMENT: SCD26222 REV LETTER: F

REV DATE: JULY 26, 2016

PAGE NO.: 2 OF 2

Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and shall not be used for, any purpose (including, without limitation, military, aerospace, medical, lifesaving, life-sustaining or nuclear facility applications, devices intended for surgical implant into the body, or any other application in which the failure or lack of desired operation of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse product documentation Warranties granted by Littelfuse documentation. Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse documentation. Littelfuse shall be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse documentation. The sale and use of Littelfuse products is subject to Littelfuse Terms and Conditions of Sale, unless otherwise agreed by Littelfuse.