Tyco Electronics

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PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: TRF250-145U

DOCUMENT: SCD 26223
PCN: RF0027-000, RF0036-000
REV LETTER: D
REV DATE: MAY 22, 2007
PAGE NO.: 1 OF 1

Specification Status: RELEASED

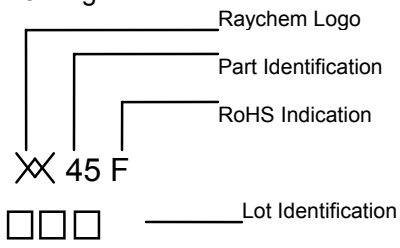
Max Electrical Rating at 20°C

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)

Marking:



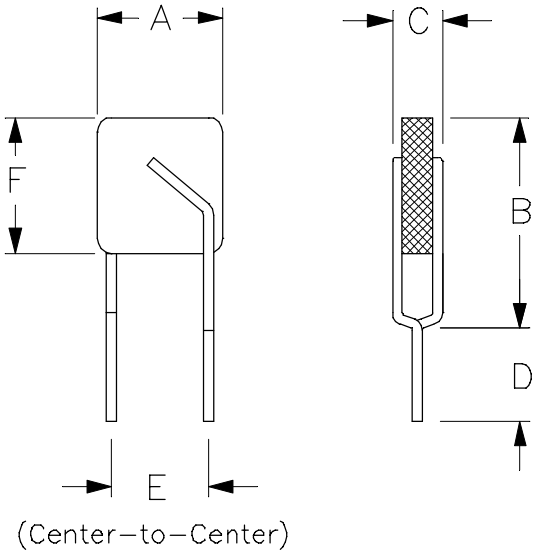


TABLE I. DIMENSIONS:

	A		B		C		D		E	F	
	Min	Max	Min	Max	Min	Max	Min	Max	Nom	Min	Max
mm:	--	6.0	--	10.0	--	3.8	4.7	--	5.0	--	6.0
in:	--	(0.236)	--	(0.394)	--	(0.150)	(0.185)	--	(0.197)	--	(0.236)

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	$R_{1\ MAX}$*	TYP	MAX	MIN	MAX
0.145	0.290	3.5	6.5	14.0	2.0	4.0	-40	85

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

Additional Ratings @ 20°C
Lightning Withstand: ITU-T @ 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

Materials Information

ROHS Compliant
Directive 2002/95/EC Compliant

ELV Compliant
Directive 2000/53/EC Compliant

Pb-Free

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