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PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: TCF250-145T-B-0.5

DOCUMENT: SCD 26261 PCN: RF0065 REV LETTER: C

REV DATE: MAY 14, 2007

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Specification Status: Released

Electrical Rating

Voltage: 60V_{DC} MAX Current: 250V_{RMS} Interrupt Current: 3A_{RMS}

Marking:

Raychem Logo

X 0000

4-Letter Lot Number

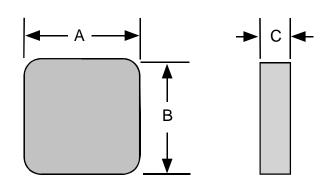


TABLE I. DIMENSIONS:

	Α			В	С	
	MIN	MAX	MIN	MAX	MIN	MAX
mm*:	5.4	5.6	5.4	5.6	2.0	2.5
In:	(0.213)	(0.221)	(0.213)	(0.221)	(0.080)	(0.100)

TABLE II. PERFORMANCE RATINGS:

I HOLD (A)*	RESISTANCE (Ω)			TIME TO TRIP (s) @ 1A		OPERATING TEMPERATURE (°C)	
20°C	R min	R max	R1 max**	TYP	MAX	min	max
0.145	5.0	9.0	14	1.0	2.0	-40	85

^{*}Dependent on heat sinking of mounting fixture.

Additional Ratings @ 20°C

Resistance Matched: 0.5 Ohms Lightning Withstand: ITU AT 1.5

: ITU AT 1.5kV Storage Temperature: -40° to 85°C

Agency Recognitions: UL 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

ELV Compliant

Pb-Free

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



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