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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TCF250-120T-RB-B-0.5

DOCUMENT: SCD25316

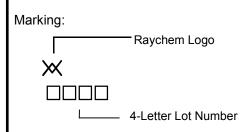
PCN: D20918 REV LETTER: E

REV DATE: MAY 13, 2011 PAGE NO.: 1 OF 1

Specification Status: Released

Max Electrical Rating at 20°C

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



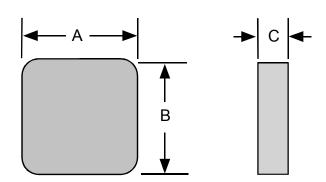


TABLE I. DIMENSIONS:

	Α		Е	3	С		
	MIN	MAX	MIN	MAX	MIN	MAX	
mm:	5.4	5.6	5.4	5.6	2.0	2.3	
in:	(0.213)	(0.221)	(0.213)	(0.221)	(0.079)	(0.091)	

TABLE II. PERFORMANCE RATINGS @ 20°C (unless otherwise noted):

IHOLD (A)**		RESISTANCE (Ω)			TIME TO TRIP (s)		OPERATING	
		, ,			@ 1A		TEMPERATURE (°C)	
20°C	40°C	R MIN	R MAX	R _{1 MAX} *	TYP	MAX	MIN	MAX
	0.110	7.9	12.0	18.0	0.6	1.0	-40	85

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

Additional Ratings @ 20°C

Resistance Matched 0.5 Ohm

Lightning Withstand ITU AT 1.5kV

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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^{**} Dependent on Heat Sinking of Mounting Fixture.