

PolySwitch® **PTC Devices**

Overcurrent Protection Device

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

DOCUMENT: SCD25315 REV LETTER: E **REV DATE: JULY 26, 2016** PAGE NO.: 1 OF 2

Specification Status: Released

Max Electrical Rating at 20°C Operating Voltage: 60V_{DC} Fault Voltage: 250V_{RMS} Interrupt Current: 3A_{RMS}

Marking:

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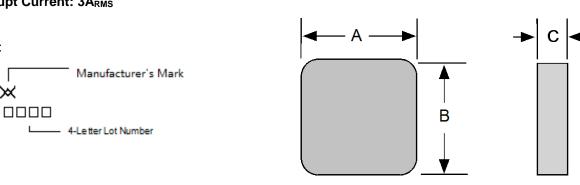


TABLE I. DIMENSIONS:

	Α		E	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	6.3	9.3	16.0	0.7	1.2	-40	85

* Maximum device resistance at 20°C measured 1 hour post trip. ** Dependent on Heat Sinking of Mounting Fixture.

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



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