

308 Constitution Drive Menlo Park, CA 94025-1164 Phone: 800-227-4856 www.circuitprotection.com

# PolySwitch® PTC Devices

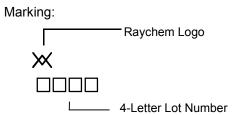
**Overcurrent Protection Device** 

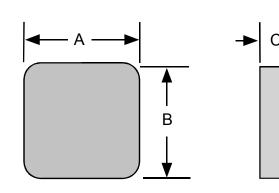
### PRODUCT: TCF250-120T-RB-B-0.5

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<sub>DC</sub> Fault Voltage: 250V<sub>RMS</sub> Interrupt Current: 3A<sub>RMS</sub>





#### **TABLE I. DIMENSIONS:**

	А		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 ( $\Omega$ )			TIME TO TRIP (s)		OPERATING	
		( ),			@ 1A		TEMPERATURE (°C)	
20°C	40°C	R MIN	R MAX	R <sub>1 MAX</sub> *	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. \*\* 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.
CAUTION:	Operation beyond the rated voltage of current may result in rupture, electrical arcing of name.

## Materials Information



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