

## Specification Status: Released

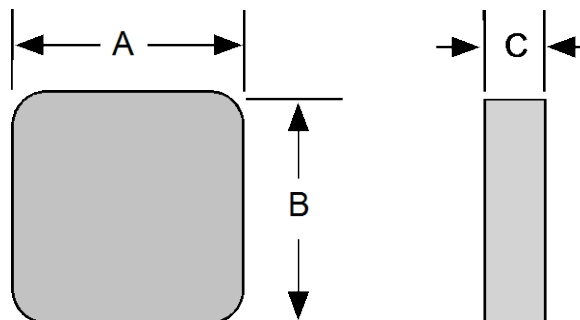
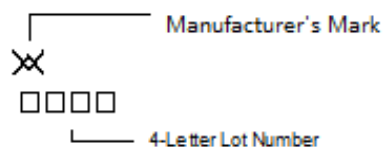
### Max Electrical Rating at 20°C

Operating Voltage: 60V<sub>DC</sub>

Fault Voltage: 250V<sub>RMS</sub>

Interrupt Current: 3A<sub>RMS</sub>

#### Marking:



**TABLE I. DIMENSIONS:**

	A		B		C	
	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) @ 1A		OPERATING TEMPERATURE (°C)	
20°C	40°C	R MIN	R MAX	R <sub>1</sub> 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

**ROHS Compliant**

Directive 2002/95/EC  
Compliant

**ELV Compliant**

Directive 2000/53/EC  
Compliant

**Pb-Free**



**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.: 2 OF 2

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