

## Specification Status: Released

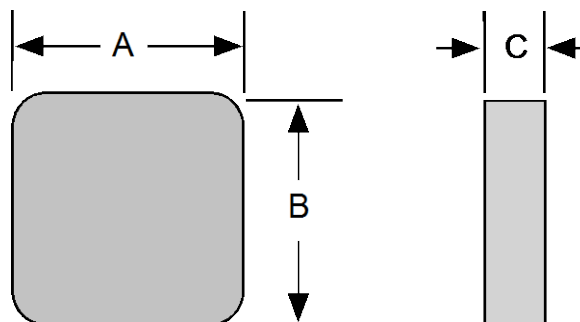
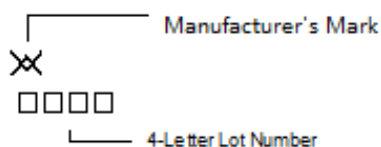
### Max Electrical Rating at 20°C

 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):**

| I <sub>HOLD</sub> (A)** |       | RESISTANCE (Ω) |       |                      | TIME TO TRIP (s)<br>@ 1A |     | OPERATING<br>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.

### 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-RB-B-0.5**

DOCUMENT: SCD25316  
REV LETTER: E  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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