

Specification Status: Released

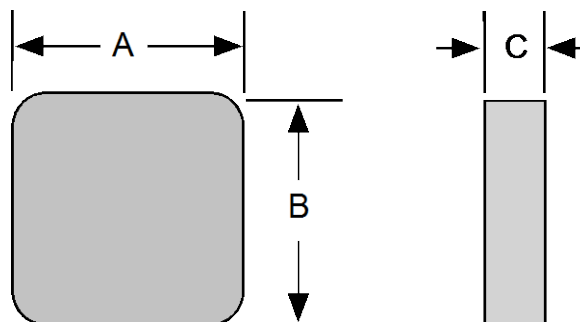
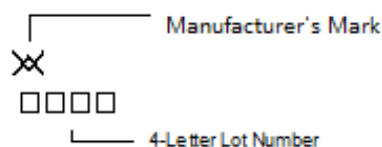
Max Electrical Rating at 20°C

 Operating Voltage: 60V_{DC}

 Fault Voltage: 250V_{RMS}

 Interrupt Current: 3A_{RMS}

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 _{HOLD} (A)**		RESISTANCE (Ω)			TIME TO TRIP (s) @ 1A		OPERATING 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.

** 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
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