

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

# PRODUCT: TCF250-120

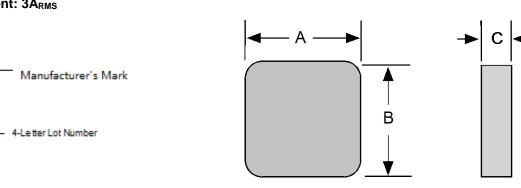
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**Specification Status:**Released

### 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:

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

	A		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	R1 MAX*	TYP	MAX	MIN	MAX
0.120		5.0	9.0	14.0	0.9	1.5	-40	85

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

Additional Ratings @ 20°C

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**









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