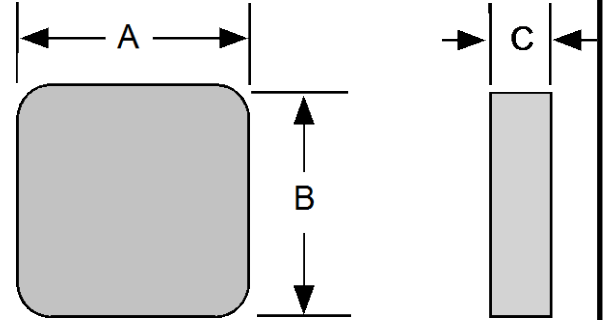


## Specification Status: Released

**Maximum Operating Voltage:** 60V<sub>DC</sub>
**Fault Ratings at 20°C:**  
 250V<sub>RMS</sub>, 3A, 10 applications

**Additional Info at 20°C:**

- Resistance matched: N/A
- Lightning withstand:  
- ITU-T K.20/K21 - 1.5 kV
- Helps equipment meet ITU-T K.20/K.21 recommendations
- Helps equipment meet Telcordia GR1089 intrabuilding requirements


**Marking:**  
 None

**TABLE I. DIMENSIONS:**

	A		B		C	
	MIN	MAX	MIN	MAX	MIN	MAX
mm:	5.4	5.6	5.4	5.6	2.0	2.5
in:*	(0.21)	(0.22)	(0.21)	(0.22)	(0.08)	(0.10)

\*Rounded off approximation.

**TABLE II. PERFORMANCE RATINGS @ 20°C:**

HOLD* CURRENT (A)	TRIP CURRENT (A)	RESISTANCE (Ω)			TIME TO TRIP(Sec) @ 1A  TYP*	OPERATING TEMPERATURE (°C)		TRIPPED POWER DISSIPATION (W)  TYP @ 60V <sub>DC</sub>
		R MIN	R MAX	R <sub>1</sub> MAX**		MIN	MAX	
0.145	0.290	3.0	6.0	14.0	2.5	-40	85	1.0

\* Dependent on Heat Sinking of Mounting Fixture.

\*\*Maximum device resistance at 20°C measured 1 hour post trip

**TABLE III. APPLICABLE PART DESCRIPTIONS:**

PART DESCRIPTION	PCN # (INTERNAL USE ONLY)	PACKAGING TYPE	NOTES
TCF250-145	F78914-000	Bulk	N/A

Agency Recognitions:	UL (File #E74889)
Reference Documents:	PS300, ITU-T K.20/K.21
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: TCF250-145**

DOCUMENT: SCD25919  
REV LETTER: G  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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