



**THE DATASHEET OF
TCF250-145-RB-B-0.5**



Specification Status: Released

Maximum Operating Voltage: 60V_{DC}
Fault Ratings at 20°C:
 250V_{RMS}, 3A, 10 applications

Additional Info at 20°C:

- Resistance matched: 0.5 ohms
- 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

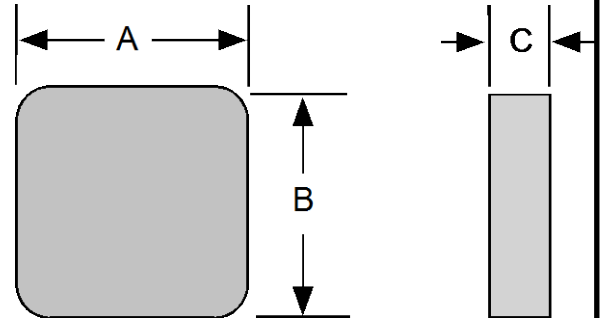

Marking:
 None

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 _{DC}
		R MIN	R MAX	R ₁ MAX**		MIN	MAX	
0.145	0.290	4.3	6.0	14.0	2.0	-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-RB-B-0.5	A25043-000	Bulk	N/A

 Agency Recognitions:
 Reference Documents:
 Precedence:
 Effectivity:
 CAUTION:

 UL (File #E74889)
 PS300, ITU-T K.20/K.21
 This specification takes precedence over documents referenced herein.
 Reference documents shall be the issue in effect on the date of invitation for bid.
 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-RB-B-0.5

DOCUMENT: SCD25921
REV LETTER: G
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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