

Specification Status: Released

Operating Conditions at 20°C:

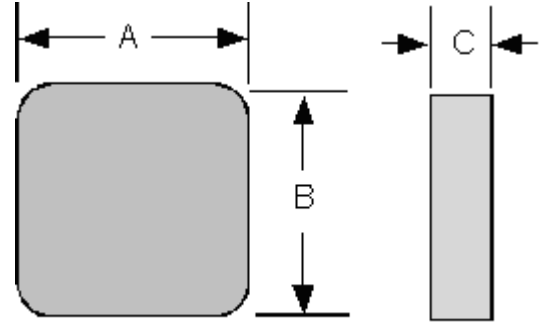
Maximum Continuous Operating Voltage (V_{MCO}): 60V_{DC}
Maximum Interrupt Current (I_{INT}): 3A_{RMS}

Fault Ratings at 20°C:

250V_{RMS}, 3A, 10 applications

Additional Info at 20°C:

- Resistance matched: N/A
- Lightning withstand:
 - ITU-T K.20, K21 - 1.5 kV
 - ITU-T K.20, K21 - 4.0 kV when tested with 230V GDT primary protector
- Helps equipment meet ITU-T K.20, K.21 Recommendations
- Helps equipment meet Telcordia GR1089 intrabuilding requirements



Marking:



TABLE I. DIMENSIONS:

	A		B		C	
	MIN	MAX	MIN	MAX	MIN	MAX
mm:	6.9	7.1	6.9	7.1	1.3	1.6
in:*	(0.27)	(0.28)	(0.27)	(0.28)	(0.05)	(0.06)

*Rounded off approximation.

TABLE II. PERFORMANCE RATINGS @ 20°C (as measured in Tyco Electronics test board # T2978):

HOLD* CURRENT (A)	TRIP* CURRENT (A)	RESISTANCE (Ω)			TIME TO TRIP(Sec) @ 1A*		OPERATING TEMPERATURE (°C)		TRIPPED POWER DISSIPATION (W) @ 60V _{DC} *	
		R MIN	R MAX	R _{24 MAX} **	TYP	MAX*	MIN	MAX	TYP	MAX
0.180	0.650	1.0	2.2	4.0	6.3	15.5	-40	85	0.8	0.9

* Dependent on Heat Sinking of Mounting Fixture.

**Maximum device resistance at 20°C measured 24 hour post trip

TABLE III. APPLICABLE PART DESCRIPTIONS:

PART DESCRIPTION	PACKAGING TYPE	NOTES
TCF250-180	Bulk	N/A
TCF250-180-2	Tape and Reel	N/A

Agency Recognitions: UL
Reference Documents: Raychem 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

