

Tyco / Electronics
Raychem Circuit Protection
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: TR250-120U

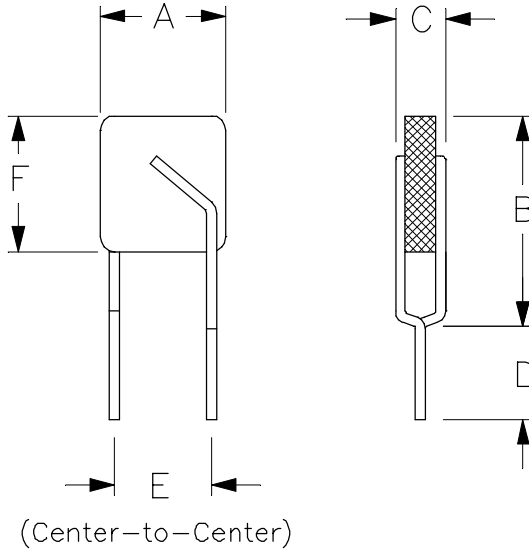
DOCUMENT: SCD 22285
 PCN: 337589, 400071
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 REV DATE: JANUARY 26, 2004
 PAGE NO.: 1 OF 1

Specification Status: RELEASED

Max Electrical Rating at 20°C

Operating Voltage: 60V_{DC}
Fault Voltage: 250V_{RMS}
Interrupt Current: 3A_{RMS}

Lead Material : 22 AWG Sn/Pb plated copper



Marking:

- Raychem Logo
- ⊗ 20 — Part Identification
- □ □ — Lot Identification

TABLE I. DIMENSIONS:

A		B		C		D		E	F	
Min	Max	Min	Max	Min	Max	Min	Max	Nom	Min	Max
--	6.0	--	10.0	--	3.8	4.7	--	5.0	--	6.0
--	(0.236)	--	(0.394)	--	(0.150)	(0.185)	--	(0.197)	--	(0.236)

TABLE II. PERFORMANCE RATINGS @ 20°C (unless otherwise noted):

IHOLD (A)		RESISTANCE (Ω) @ 20° C			TIME TO TRIP @ 1A (s)	OPERATING TEMPERATURE (°C)	
20°C	70°C	R MIN	R MAX	R _{1 MAX} *	Typ	MIN	MAX
0.120	0.060	6.0	10.0	16.0	1.0	-40	85

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

Additional Rating @ 20°C

Lightning Withstand: ITU AT 1.5kV

Agency Recognition: UL, CSA, TUV
 Reference Documents: PS300
 Precedence:
 Effectivity:
 CAUTION:

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