Tyco Electronics

308 Constitution Drive
Menlo Park, CA 94025-1164
Phone: 800-227-4856
www.circuitprotection.com

PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: TS250-130F-RC

DOCUMENT: SCD 26241
REV LETTER: E
REV DATE: MARCH 17, 2008

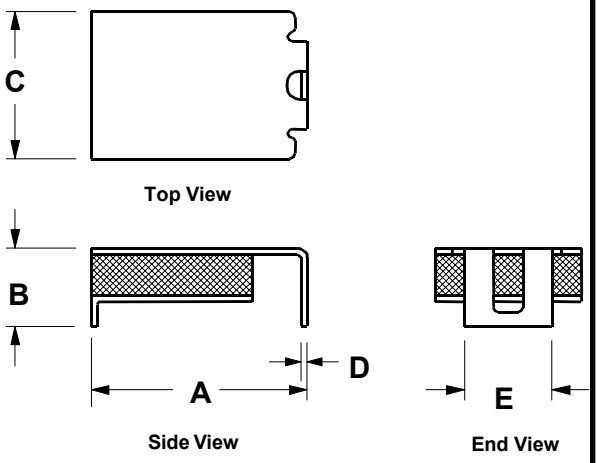
Specification Status: Released

Maximum Operating Voltage: $60V_{DC}$

Fault Ratings at 20°C:
250 V_{RMS}, 3A, 10 applications
600 V_{RMS}, 1A, 5 applications

Additional Info at 20°C:
- Resistance matched: N/A
- Lightning withstand: 1.5kV per ITU-T
- Helps equipment meet ITU-T K.20, K.21 Recommendations
- Helps equipment meet Telcordia GR1089 intrabuilding requirements

Terminal Material: Tin-Plated Brass



Marking:

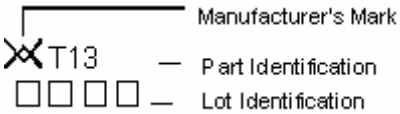


TABLE I. DIMENSIONS:

	A		B		C		D	E
	MIN	MAX	MIN	MAX	MIN	MAX	NOM	NOM
mm:	8.5	9.4	--	3.4	--	7.4	0.3	3.8
in:*	(0.335)	(0.370)	--	(0.135)	--	(0.290)	(0.011)	(0.150)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS @ 20°C:

HOLD CURRENT (A)	TRIP CURRENT (A)	RESISTANCE (Ω)			TIME TO TRIP(Sec) @ 1A		OPERATING TEMPERATURE (°C)		TRIPPED POWER DISSIPATION (W)
		R MIN	R MAX	$R_{1\ MAX}$*	TYP	MAX	MIN	MAX	TYP @ $60V_{DC}$
0.130	0.260	7.0	10.0	17.0	1.1	2.0	-40	85	1.1

*Maximum device resistance at 20°C measured 1 hour post trip and 24 hours post reflow

TABLE III. APPLICABLE PART DESCRIPTIONS:

PART DESCRIPTION	PACKAGING TYPE	NOTE
TS250-130F-RC-2	Tape and Reel	N/A

Agency Recognitions:	UL (File #E74889), CSA (File #78165C), TUV
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

© 2007 Tyco Electronics Corporation. All rights reserved.