

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: TS250-130F-RA

DOCUMENT: SCD26245

REV LETTER: F REV DATE: JULY 26, 2016

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# **Specification Status: Released**

Maximum Operating Voltage: 60VDC

Fault Ratings at 20°C:

250  $V_{\text{RMS}}$ , 3A, 10 applications 600  $V_{\text{RMS}}$ , 1A, 5 applications

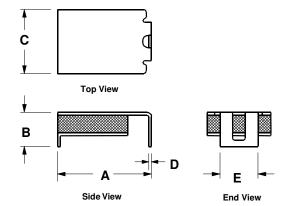
#### Additional Info at 20°C:

- 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:**

	Α		В		С		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)

<sup>\*</sup>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 <sub>1 MAX</sub> *	TYP	MAX	MIN	MAX	TYP @ 60V <sub>DC</sub>
0.130	0.260	6.5	9.0	15.0	1.4	2.5	-40	85	1.1

<sup>\*</sup>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-RA-2	Tape and Reel	N/A

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

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** 





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