

**Specification Status: Released**

**Maximum Operating Voltage:** 60V<sub>DC</sub>

**Fault Ratings at 20°C:**

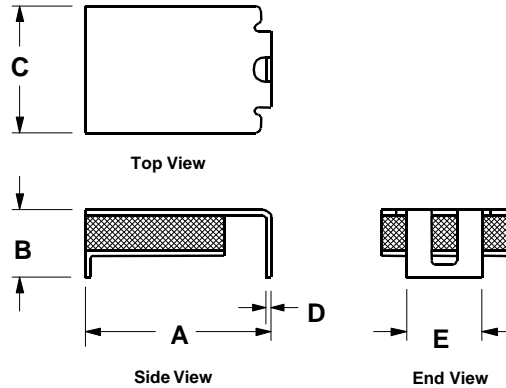
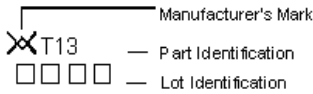
- 250 V<sub>RMS</sub>, 3A, 10 applications
- 600 V<sub>RMS</sub>, 1A, 5 applications

**Additional Info at 20°C:**

- Resistance matched: 0.5 ohm
- 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) TYP @ 60V <sub>DC</sub>
		R MIN	R MAX	R <sub>1 MAX</sub> *	TYP	MAX	MIN	MAX	
0.130	0.260	6.5	12.0	20.0	0.9	2.5	-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-B-0.5-2	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**





**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: TS250-130F-B-0.5**

DOCUMENT : SCD26239  
REV LETTER: G  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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