PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT : TS250-130F

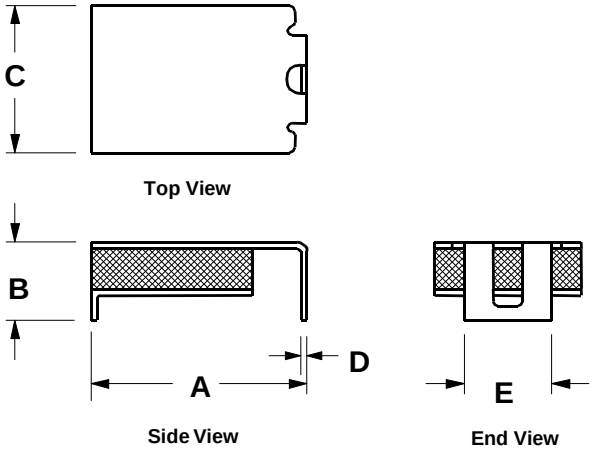
Specification Status: Released

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:

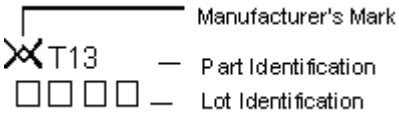


TABLE I. DIMENSIONS:

	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	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-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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Specifications are subject to change without notice.
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