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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TSL250-130F

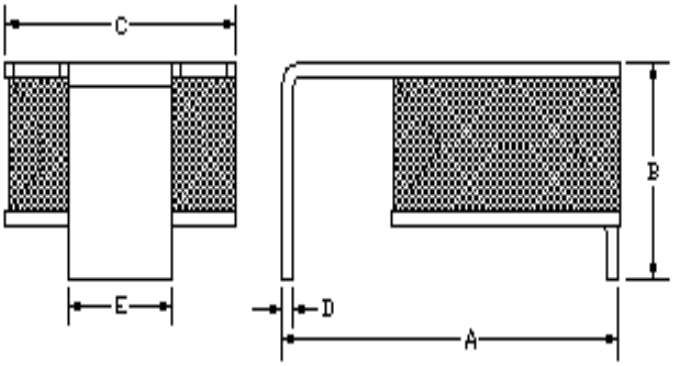
DOCUMENT: SCD28629
REV LETTER: A
REV DATE: OCTOBER 10, 2013
PAGE NO.: 1 OF 1

Specification Status: Released

Max Electrical Rating at 20°C

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

Lead Material: Tin plated brass



Marking:

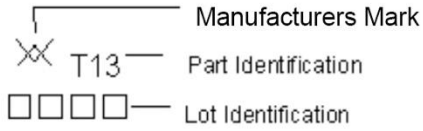


TABLE I. DIMENSIONS:

	A		B		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm*:	6.7	7.9	2.7	3.7	4.8	5.3	0.2	0.4	2.5	3.1
in:	(0.265)	(0.310)	(0.110)	(0.145)	(0.190)	(0.210)	(0.008)	(0.015)	(0.100)	(0.120)

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

IHOLD (A)	RESISTANCE (Ω)			TIME TO TRIP(s) @ 1A	OPERATING TEMPERATURE (°C)		TRIPPED STATE POWER DISSIPATION (W)
20°C	R MIN	R MAX	$R_{1\ MAX}$*	TYP	MIN	MAX	TYP
0.130	4.0	8.0	12.0	2.0	-40	85	1.5

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

Additional Ratings @ 20°C

Lightning Withstand: ITU at 1.5kV Storage Temperature: -40° to 85° C

Reference Documents: PS300
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 2000/53/EC Compliant

ELV Compliant
Directive 2000/53/EC Compliant

Pb-Free

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