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[TE Connectivity Raychem Circuit Protection
MINISMDC050-2](#)

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PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: miniSMDC050

DOCUMENT: SCD 23384
PCN: 450691
REV LETTER: G
REV DATE: JUNE 6, 2002
PAGE NO.: 1 OF 1

Specification Status: RELEASED

Maximum Electrical Rating

Voltage: 24V_{DC}

Short Circuit Current: 100A

Notes:

1. All terminations are tin/lead plated.
2. Devices can be wave soldered.
3. Drawing not to scale

Marking:

5 X 9

PART IDENTIFICATION

MANUFACTURER'S MARK

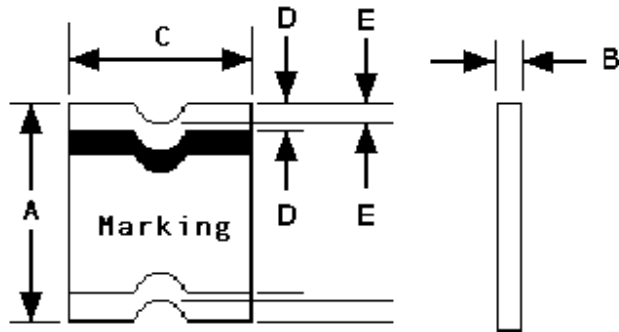


TABLE I. DIMENSIONS:

	A		B		C		D	E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN	MAX
mm:	4.37	4.73	0.38	0.62	3.07	3.41	0.30	0.25	0.50
in:	(0.172)	(0.186)	(0.015)	(0.025)	(0.121)	(0.134)	(0.012)	(0.010)	(0.020)

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**			TIME TO TRIP** @ 8.0A	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**
AMPERES AT -40°C HOLD	AMPERES AT 20°C HOLD	AMPERES AT 60°C HOLD	SECONDS AT 20°C MAX	OHMS AT 20°C MIN	OHMS AT 20°C MAX*	WATTS AT 20°C MAX
0.59	0.50	0.35	0.15	0.15	1.00	0.8

* Maximum resistance is measured 1 hour after reflow.

**Values Specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

Reference Documents:

PS300, E. N. SMD1.0x

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.

flame.