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R
PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: microSMD050

DOCUMENT: SCD24402
PCN: 598379
REV LETTER: D
REV DATE: FEBRUARY 26, 2000
PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

Voltage: 13.2V_{DC}
Current: 40A

Notes:

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

Marking:

 **50**

PART IDENTIFICATION

MANUFACTURER'S MARK

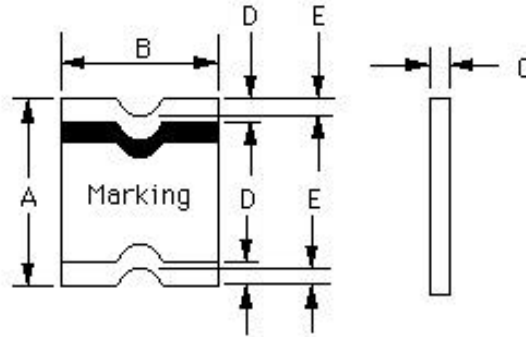


TABLE I. DIMENSIONS:

	A		B		C		D	E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN
mm:	3.00	3.43	2.35	2.80	0.38	0.62	0.25	0.20
in:*	0.118	0.135	0.092	0.111	0.015	0.025	0.010	0.008

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

IHOLD ** RATED CURRENT	CURRENT TRIP LIMITS**						TIME TO TRIP **		RESISTANCE VALUES		TRIPPED- STATE POWER DISSIPATION**
	AMPERES AT 20°C HOLD	AMPERES AT -40°C HOLD	AMPERES AT 20°C TRIP	AMPERES AT 60°C HOLD	AMPERES AT 60°C TRIP	AMPERES AT 60°C TRIP	SECONDS AT 20°C, 5A MAX	SECONDS AT 20°C, 8A MAX	OHMS AT 20°C MIN	OHMS AT 20°C MAX*	
0.50	0.76	1.52	0.50	1.00	0.35	0.70	0.1	0.05	0.25	0.90	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.