Tyco / Electronics
Raychem Circuit Protection

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# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: miniSMDC260

DOCUMENT: SCD 24436

PCN: 354581 REV LETTER: H

REV DATE: JANUARY 13, 2004

PAGE NO.: 1 OF 1

# **Specification Status: Released**

# **Maximum Electrical Rating**

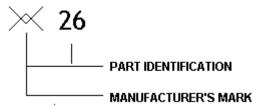
Voltage: 6V<sub>DC</sub>

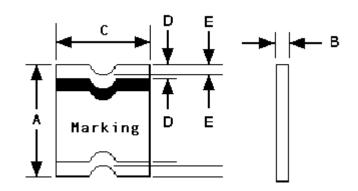
**Short Circuit Current: 100A** 

#### Notes:

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

### Marking:





# TABLE I. DIMENSIONS:

mm: in:

Α		В		С		D	E	
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN	MAX
4.37	4.73	0.76	1.25	3.07	3.41	0.25	0.25	- 1
(0.172)	(0.186)	(0.030)	(0.050)	(0.121)	(0.134)	(0.010)	(0.010)	-

#### **TABLE II. PERFORMANCE RATINGS:**

	CUF	RENT	RATING	3S **		TIME TO TRIP **	RESISTANCE VALUES		TRIPPED-STATE	
						TRIP	VAL	UES	POWER DISSIPATION **	
AMPE	RES	AMPE	RES	AMPE	RES	SECONDS	OHMS		WATTS AT	
AT -40°C		AT 20°C		AT 60°C		AT 20°C, 8A	AT 20°C		20°C, 6V	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX	
3.4	6.8	2.6	5.0	2.0	4.0	7	0.015	0.043	1.0	

<sup>\*</sup> Maximum resistance is measured 1 hour after reflow

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.

<sup>\*\*</sup> Values Specified were determined using PCB's with 0.070"X1.5 ounce copper traces.