Raychem Circuit Protection 308 Constitution Drive Menlo Park, CA 94025 800-227-4856 FAX 800-227-4866

# **RAYCHEM**

PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: miniSMDC200

DOCUMENT: SCD24406 PCN: 472815

REV LETTER: C

REV DATE: OCTOBER 25, 2000

PAGE NO.: 1 OF 1

## **Specification Status: Released**

### **Maximum Electrical Rating**

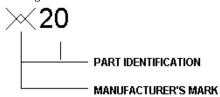
Voltage: 6V<sub>DC</sub>

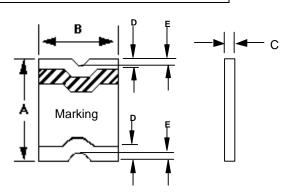
**Short Circuit Current: 100A** 

#### Notes:

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

#### Marking:





#### **TABLE I. DIMENSIONS:**

mm: in:

Α		В		C		D	Е	
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN	MAX
4.37	4.73	3.07	3.41	0.51	1.22	0.30	0.25	
(0.172)	(0.186)	(0.121)	(0.134)	(0.020)	(0.048)	(0.012)	(0.010)	

#### TABLE II. PERFORMANCE RATINGS:

ı.	TABLE III I EIG ORGINGTOE IN CHINGO											
ı	IHOLD **	CURRENT TRIP LIMITS**						TIME TO	RESISTANCE		TRIPPED-	
ı	RATED							TRIP **	VALUES		STATE POWER	
ı	CURRENT										DISSIPATION**	
ı	AMPERES	AMPE	ERES	AMPERES		AMPERES		SECONDS	OHMS		WATTS AT	
ı	AT 20°C	AT -40°C		AT 20°C		AT 60°C		AT 20°C, 8A	AT 20°C		20°C, 6V	
ı	HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX	
ı	2.00	2.60	6.00	2.00	4.00	1.50	3.00	5	0.020	0.070	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 0.030"X1.5 ounce copper traces.