

308 Constitution Drive Menlo Park, CA 94025-1164 Phone: 800-227-4856 www.circuitprotection.com

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: microSMD200F

DOCUMENT: SCD 25271

**REV LETTER: F** 

REV DATE: MARCH 6, 2009

PAGE NO.: 1 OF 1

Raychem Circuit Protection Products

## **Specification Status: Released**

### **Maximum Electrical Rating**

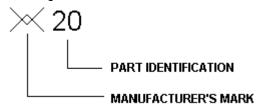
Voltage: 6.0V<sub>DC</sub>

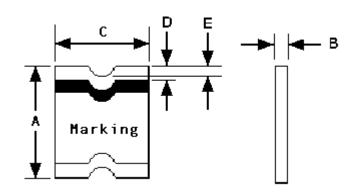
**Short Circuit Current: 100A** 

#### Notes:

- 1. All terminations are tin plated.
- 2. Drawing not to scale

#### Marking:





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

mm: in:

Α		В		С		D		Е
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
3.00	3.43	0.79	1.17	2.35	2.80	0.25	0.75	0.076
(0.118)	(0.135)	(0.031)	(0.046)	(0.092)	(0.110)	(0.010)	(0.030)	(0.003)

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

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CURRENT RATINGS**						TIME TO RESISTANCE VALUES		_	TRIPPED-STATE POWER DISSIPATION**		
AMPERES AT 0°C HOLD   TRIP		AMPERES AT 20°C HOLD TRIP		AMPERES AT 60°C HOLD   TRIP		SECONDS AT 20°C, 8.0A MAX	OHMS AT 20°C MIN   MAX*		WATTS AT 20°C, 6.0V MAX		
2.35	4.7	2.0	4.0	1.5	3.0	2.5	0.02	0.06	0.8		

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

Agency Recognition: UL, CSA, TUV 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 2002/95/EC Compliant **ELV Compliant** 

Directive 2000/53/EC Compliant **Pb-Free** 



**Halogen Free\*** 



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<sup>\*\*</sup> Values specified were determined using PCB's with 0.030" x 1.5 ounce copper traces.

<sup>\*</sup> Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm