



# PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

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PRODUCT: miniSMDC200F

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**Specification Status: Released**

## Maximum Electrical Rating

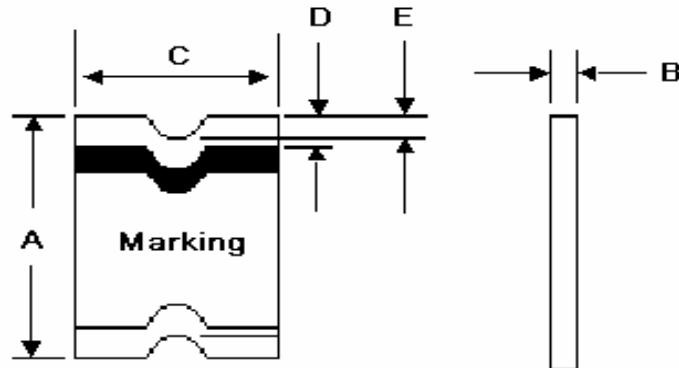
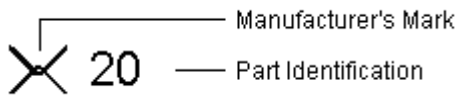
**Voltage: 8V<sub>DC</sub>**

**Short Circuit Current: 100A**

### Notes:

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

### Marking:



**TABLE I. DIMENSIONS:**

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	4.37	4.73	0.51	1.22	3.07	3.41	0.25	0.95	0.20
in:	(0.172)	(0.186)	(0.020)	(0.048)	(0.121)	(0.134)	(0.010)	(0.040)	(0.008)

**TABLE II. PERFORMANCE RATINGS:**

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES	TRIPPED-STATE POWER DISSIPATION**	
AMPERES AT 0°C		AMPERES AT 20°C		AMPERES AT 60°C		SECONDS AT 20°C, 8A MAX	OHMS AT 20°C	WATTS AT 20°C, 8V MAX	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
2.22	4.44	2.00	4.00	1.50	3.00	5	0.020	0.070	1.0

\* Maximum resistance is measured 1 hour after reflow

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

Agency Recognition: UL, CSA, TÜV  
 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\***



\* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm