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# PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: miniSMDC160F

DOCUMENT: SCD 24884  
REV LETTER: H1  
REV DATE: 15-Apr-11  
PAGE NO.: 1 OF 1

## Specification Status: Released

### Maximum Electrical Rating

Voltage: 9V<sub>DC</sub>

Short Circuit Current: 100A

#### Notes:

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

#### Marking:

Manufacturer's Mark  
X 16 — Part Identification

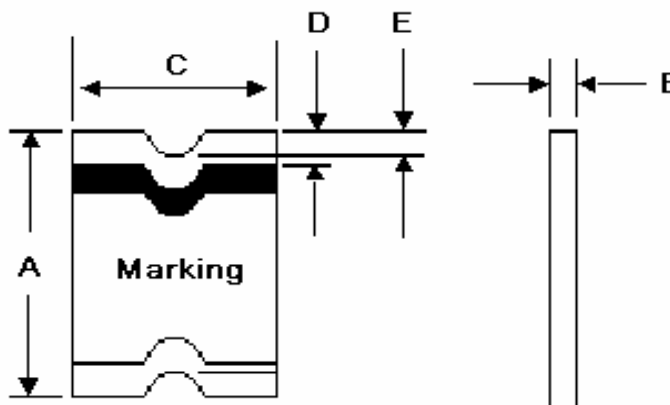


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	4.37	4.73	0.28	0.48	3.07	3.41	0.25	0.95	0.20
in:	(0.172)	(0.186)	(0.011)	(0.019)	(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, 9V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
1.89	3.78	1.60	3.20	1.10	2.20	1.0	0.03	0.10	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.

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