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[TE Connectivity Raychem Circuit Protection
MINISMDE190-2](#)

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Raychem
PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: miniSMDE190

DOCUMENT: SCD 24043
 PCN: 676869
 REV LETTER: E
 REV DATE: JULY 15, 1999
 PAGE: 1 OF 1

Specification Status: RELEASED

Maximum Electrical Rating

Voltage: 16V_{DC}
Current: 100A

Marking:

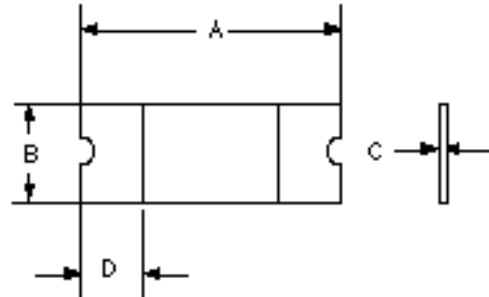
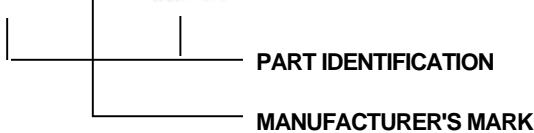


TABLE I. DIMENSIONS:

	A		B		C		D	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	11.15	11.51	4.83	5.33	0.33	0.53	0.51	1.02
in*:	(0.439)	(0.453)	(0.19)	(0.21)	(0.013)	(0.021)	(0.02)	(0.04)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD	I HOLD AT TEMPERATURE					TIME TO TRIP		REFERENCE RESISTANCE VALUES		ONE-HOUR POST-TRIP RESISTANCE		TRIPPED-STATE POWER DISSIPATION
	AMPS 20°C HOLD	AMPS AT 0°C HOLD	AMPS AT 20°C HOLD	AMPS AT 60°C HOLD	AMPS AT 80°C HOLD	SECONDS AT 20°C, 10A		OHMS AT 20°C		OHMS AT 20°C		
						TYP	MAX	MIN	MAX	TYP	MAX	WATTS AT 20°C, 16V MAX
1.9	2.2	1.9	1.1	0.5	0.70	2.0		0.024	0.040	0.065	0.080	1.5

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.