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**PolySwitch®**  
**PTC Devices**  
Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: miniSMDC150F/24

DOCUMENT: SCD 25335  
REV LETTER: J1  
REV DATE: 15-Apr-11  
PAGE NO.: 1 OF 1

**Specification Status: Released**

**Maximum UL Electrical Rating**

Voltage: 24V<sub>DC</sub>  
Short Circuit Current: 20A

Notes:

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

Marking:

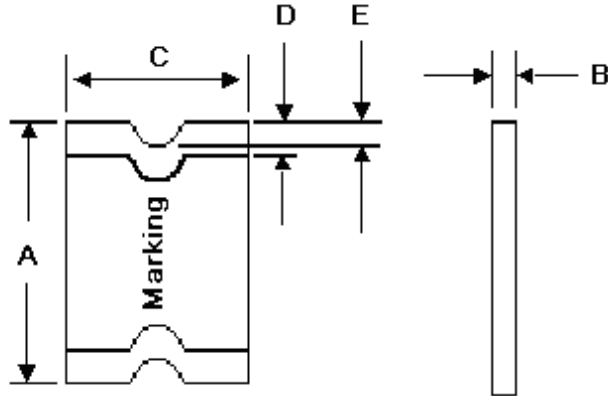
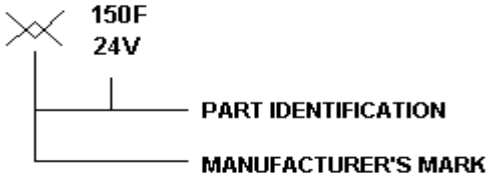


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	4.37	4.83	1.00	1.94	3.07	3.41	0.25	0.95	0.20
in:	(0.172)	(0.190)	(0.040)	(0.077)	(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, 24V	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
1.7	3.4	1.5	3.0	1.0	2.0	1.5	0.04	0.12	1.0

\* Maximum resistance is measured 1 hour after reflow

\*\* Values Specified were determined using PCB's with 0.070"X1.5 ounce copper traces.

Agency Recognitions: 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

ELV Compliant

Pb-Free

Halogen Free\*

Directive 2002/95/EC  
Compliant

Directive 2000/53/EC  
Compliant



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

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