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# PolySwitch®

## PTC Devices

Overcurrent Protection Device

PRODUCT: miniSMDC150F/24

DOCUMENT: SCD25335

REV LETTER: K

REV DATE: JULY 26, 2016

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## 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:

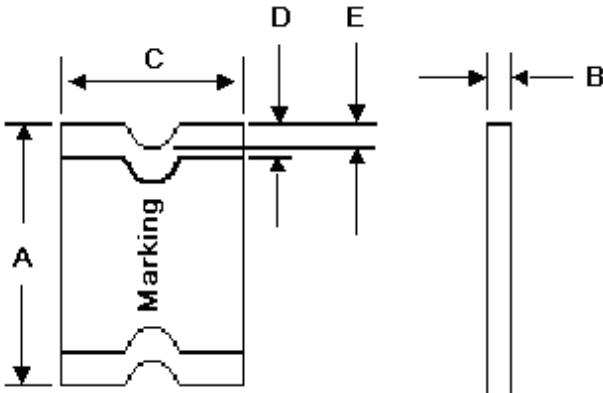
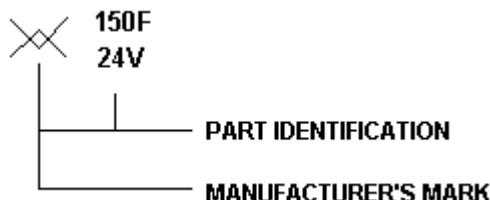


TABLE I. DIMENSIONS:

mm:	A		B		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
4.37	4.83	1.00	1.94	3.07	3.41	0.25	0.95	0.20		
(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 HOLD		AMPERES AT 20°C HOLD		AMPERES AT 60°C HOLD		SECONDS AT 20°C, 8A MAX	OHMS AT 20°C MIN	OHMS AT 20°C MAX*	WATTS AT 20°C, 24V 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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