

**Tyco / Electronics**  
**Raychem Circuit Protection**  
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 Menlo Park, CA 94025-1164  
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**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: miniSMDC150F**

DOCUMENT: SCD 25038  
 PCN: F96675, 448470  
 REV LETTER: D  
 REV DATE: APRIL 7, 2006  
 PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

**Maximum Electrical Rating**

**Voltage: 6V<sub>DC</sub>**

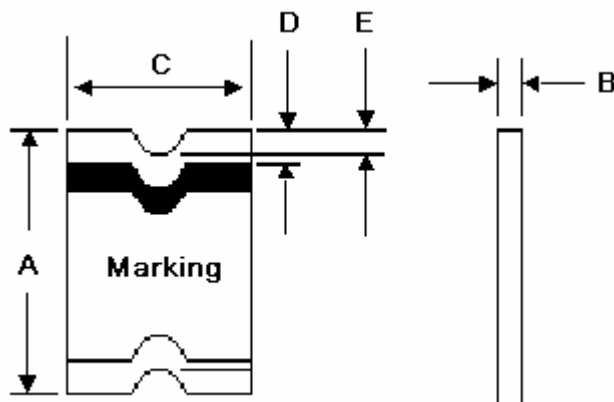
**Short Circuit Current: 100A**

**Notes:**

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

**Marking:**

— Manufacturer's Mark  
 X15 — 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, 6V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
1.77	3.54	1.50	3.00	0.95	1.90	0.5	0.040	0.110	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, E. N. SMD1.0x

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**

