

**Tyco / Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025-1164  
 Phone: 800-227-4856  
 Fax: 800-227-4866

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

**PRODUCT: LR4-380LF**

DOCUMENT: SCD 26090  
 PCN: F33951  
 REV LETTER: B  
 REV DATE: MARCH 13, 2006  
 PAGE NO.: 1 OF 1

**Specification Status: Released**

**Electrical Rating**

**Voltage: 15V MAX**  
**Current: 100A MAX**

Chip Size: 7 x 14.3mm

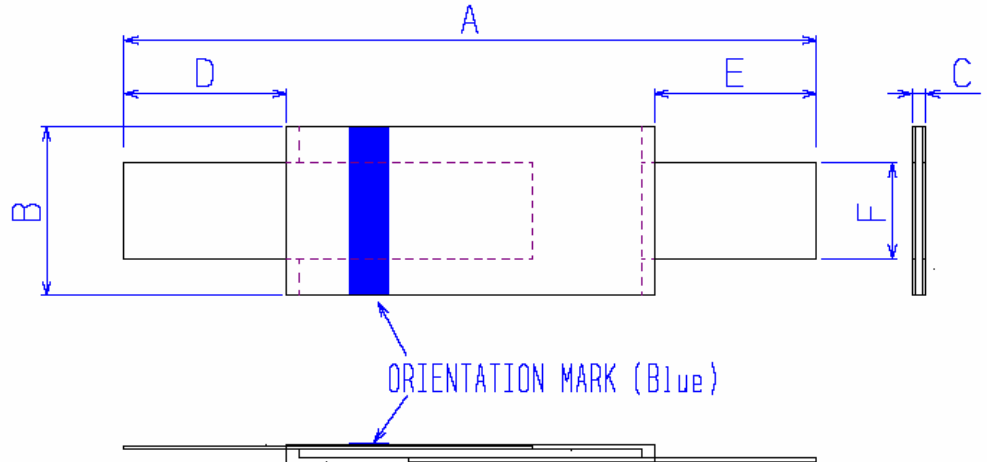
Leads: Nickel 1/4H  
 0.125mm nominal thickness

Tape: Polyester (White)  
 15.3mm Width

Solder: Lead-free

Marking: (Color: Green)

- Manufacturer's Mark
- ✕ E38 — Part Identification
- □ □ □ — Lot Identification



**TABLE I. DIMENSIONS:**

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	27.8	29.8	6.9	7.5	0.6	1.0	6.0	7.5	6.0	7.5	3.9	4.1
in*:	(1.10)	(1.17)	(0.27)	(0.30)	(0.02)	(0.04)	(0.24)	(0.30)	(0.24)	(0.30)	(0.15)	(0.16)

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS: As measured in Mueller Kelvin Clips model BU-75K.**

I HOLD	CURRENT TRIP LIMITS								TIME TO TRIP		REFERENCE RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE		TRIPPED-STATE POWER DISSIPATION	
	AMPS AT 0°C HOLD		AMPS AT 20°C HOLD   TRIP		AMPS AT 60°C HOLD   TRIP		AMPS AT --°C HOLD   TRIP		SECONDS AT 20°C, 19.0A TYP   MAX		OHMS AT 20°C MIN   MAX		OHMS AT 20°C MIN   MAX		WATTS AT 20°C, 15V TYP   MAX	
3.8	4.4	9.7	3.8	8.3	2.8	6.1	--	--	--	5.0	0.013	0.026	0.013	0.037	--	2.5

Agency Recognitions: UL, TUV, CSA  
 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**

