

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: LTP180F

DOCUMENT: SCD 25941
 PCN: C04107
 REV LETTER: A
 REV DATE: DECEMBER 7, 2004
 PAGE NO.: 1 OF 1

Specification Status: Released

Electrical Rating

Voltage: 24V MAX
Current: 100A MAX

Chip Size: 5 X 15mm

Leads: Nickel 1/4H
 0.125mm nominal thickness

Tape: Polyester (Yellow)
 16mm Width

Solder: Lead-free

Lot Marking Ink Color (Green)

Marking:

- Manufacturer's Mark
- XX L18 — Part Identification
- — Lot Identification

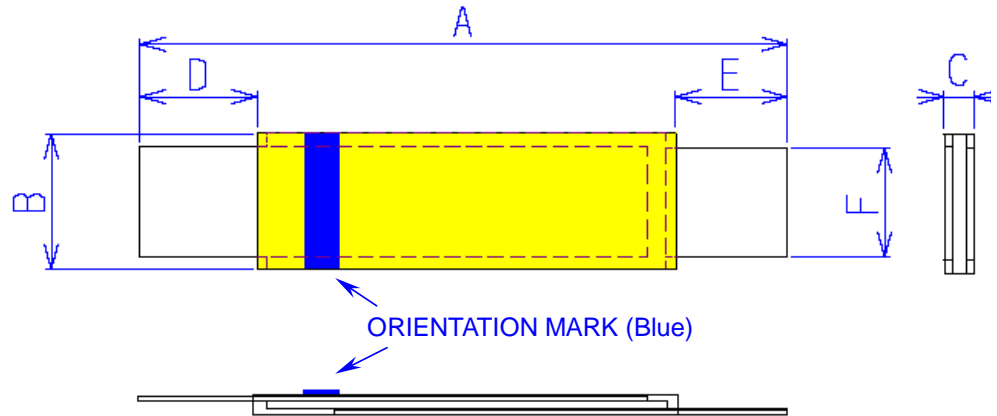


TABLE I. DIMENSIONS:

mm:	A		B		C		D		E		F		G	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
	24.0	26.0	4.9	5.2	0.6	1.0	4.1	5.5	4.1	5.5	3.9	4.1		
in*:	(0.94)	(1.02)	(0.02)	(0.20)	(0.02)	(0.04)	(0.16)	(0.22)	(0.16)	(0.22)	(0.15)	(0.16)		

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS: As measured in Muller 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 20°C HOLD		AMPS AT 0°C		AMPS AT 20°C		AMPS AT 60°C		AMPS AT -°C		SECONDS AT 20°C, 9.0A		OHMS AT 20°C		OHMS AT 20°C		WATTS AT 20°C, 24V	
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	TYP	MAX
1.8	2.2	4.5	1.8	3.8	0.9	2.4	--	--	--	--	2.9	2.9	0.040	0.068	0.040	0.120	--	2.0

Agency recognitions:
 Reference Documents:
 Precedence:
 Effectivity:
 CAUTION:

UL, TUV, CSA
 PS300
 This specification takes precedence over documents referenced herein.
 Reference documents shall be the issue in effect on the date of invitation for bid.
 Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame