

Tyco / Electronics
Raychem Circuit Protection
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: LTP180LF

DOCUMENT: SCD 25976
 PCN: E01716
 REV LETTER: B
 REV DATE: JULY 11, 2005
 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

Marking: (Color: Green)

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

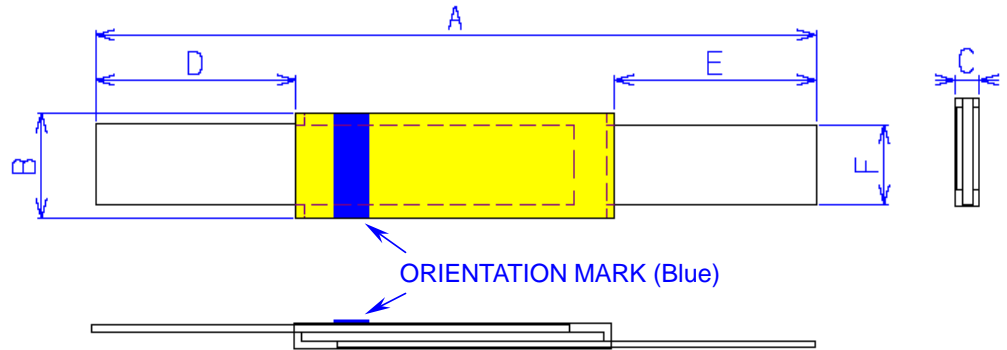


TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	35.5	37.5	4.9	5.2	0.6	1.0	9.7	11.0	9.7	11.0	3.9	4.1		
in*:	(1.40)	(1.48)	(0.19)	(0.20)	(0.20)	(0.04)	(0.38)	(0.43)	(0.38)	(0.43)	(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		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, 15V	
HOLD	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	0.040	0.068	0.040	0.120	--	2.0

Agency Recognitions:
 Reference Documents:
 Precedence:
 Effectivity:
 CAUTION:
 Materials Information:

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

ROHS Compliant

ELV Compliant

Pb-Free

Directive 2002/95/EC
 Compliant

Directive 2000/53/EC
 Compliant

