

PolySwitch®

PTC Devices

Overcurrent Protection Device

PRODUCT: LTP180F

DOCUMENT: SCD25941
PCN: C04107
REV LETTER: C
REV DATE: MAY 9, 2011
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

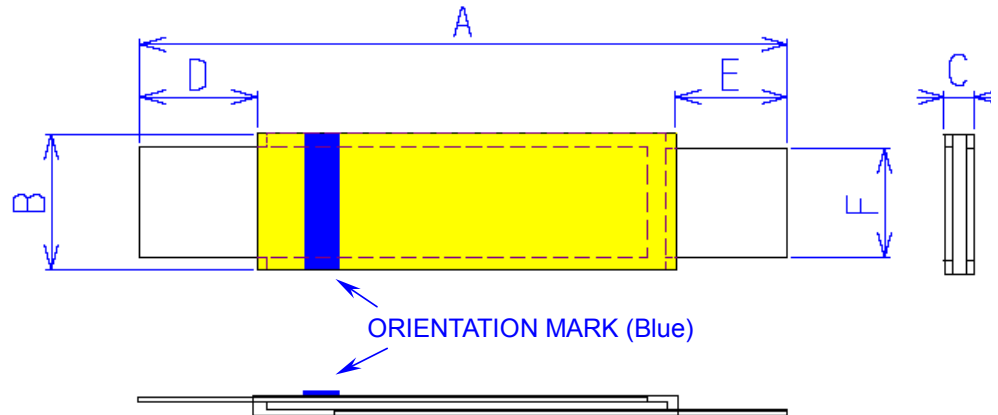


TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	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	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:

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