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Raychem Circuit Protection
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: LTP190F

DOCUMENT:SCD 25942
 PCN: D17322
 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: 10.5 X 8.1mm

Leads: Nickel 1/4H
 0.125mm nominal thickness

Tape: Polyester (Yellow)
 10.2mm Width

Solder: Lead-free

Marking: (Color: Green)
 — Manufacturer's Mark

XX L19 — Part Identification

□□□□ — Lot Identification

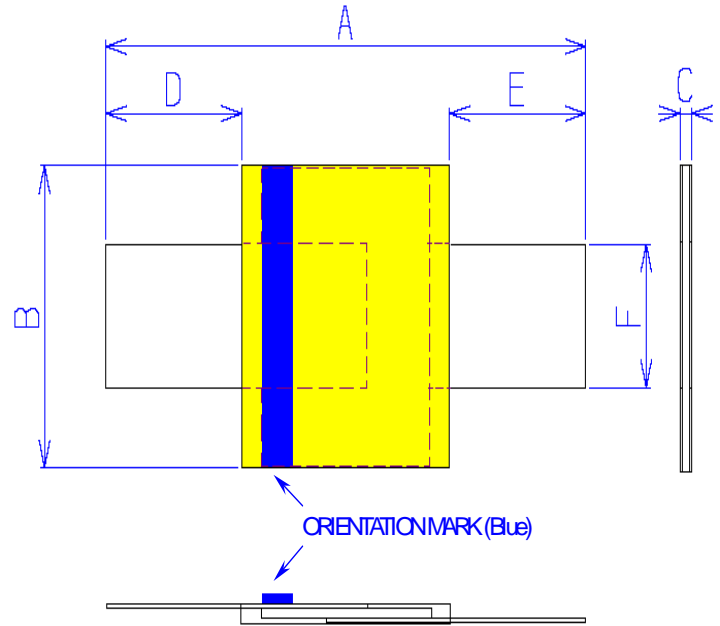


TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Mm:	21.3	23.4	10.2	11.0	0.5	1.1	5.0	7.6	5.0	7.6	4.8	5.4		
In*:	(0.84)	(0.92)	(0.40)	(0.43)	(0.02)	(0.04)	(0.20)	(0.30)	(0.20)	(0.30)	(0.19)	(0.21)		

*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 20°C HOLD	AMPS AT 0°C HOLD	AMPS AT 20°C TRIP	AMPS AT 60°C HOLD	AMPS AT 80°C TRIP	AMPS AT 20°C HOLD	AMPS AT 80°C TRIP	AMPS AT 20°C HOLD								
1.9	2.4	5.0	1.9	4.2	1.1	2.5	0.5	1.3	1.4	3.0	0.030	0.057	0.030	0.100	1.5	1.9

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

