

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

PRODUCT: LR4-550F

DOCUMENT: SCD 25850
 PCN: E74816
 REV LETTER: C
 REV DATE: SEPTEMBER 19, 2005
 PAGE NO.: 1 OF 1

Specification Status: Released

Electrical Rating

Voltage: 20V MAX
Current: 100A MAX

Chip Size: 7 X 23mm

Leads: Nickel 1/4H
 0.125mm nominal thickness

Tape: Polyester (White)
 24mm nominal Width

Solder: Lead-free

Marking: (Color: Green)

- Manufacturer's Mark
- XXE55 — Part Identification
- — Lot Identification

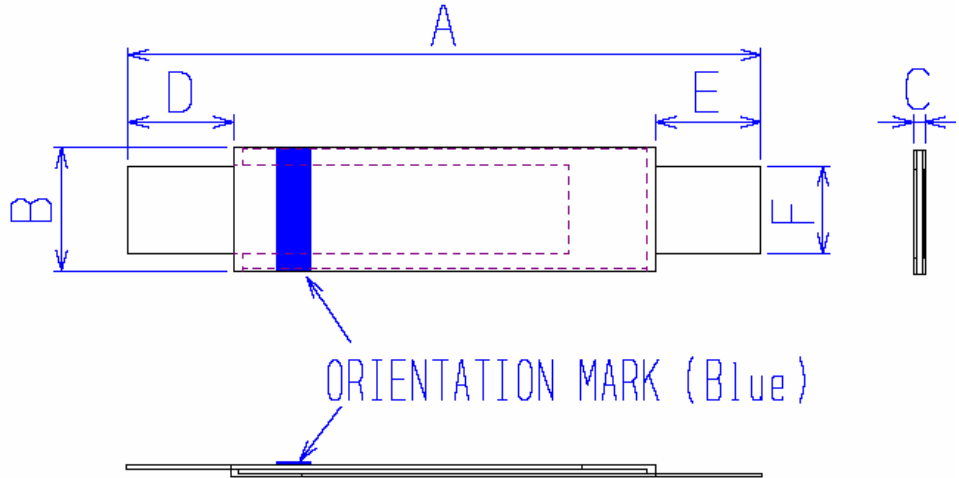


TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	35.0	37.0	6.9	7.5	0.6	1.0	5.3	6.7	5.3	6.7	4.9	5.1
in*:	(1.38)	(1.46)	(0.27)	(0.30)	(0.02)	(0.04)	(0.21)	(0.26)	(0.21)	(0.26)	(0.19)	(0.20)

*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		AMPS AT 20°C		AMPS AT 60°C		AMPS AT --°C		SECONDS AT 20°C, 27.5A		OHMS AT 20°C		OHMS AT 20°C		WATTS AT 20°C, 20V	
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	TYP	MAX
	5.5	6.2	12.0	5.5	10.5	4.0	7.8	---	---	---	5	---	0.009	0.016	0.009	0.022	---	2.8

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

