## Tyco / Electronics Raychem Circuit Protection

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# **PolySwitch® PTC Devices**

**Overcurrent Protection Device** 

PRODUCT: LR4-380F

DOCUMENT: SCD 25323

PCN: A32896 **REV LETTER: B** 

REV DATE: FEBRUARY 17, 2005

PAGE NO.: 1 OF 1

# **Specification Status: Released**

### Electrical Rating

Voltage: 15Vdc MAX Current: 100A MAX

Chip Size: 7 X 14.3mm

Leads: Nickel 1/4H

0.125mm nominal thickness

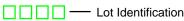
Tape: Polyester (White)

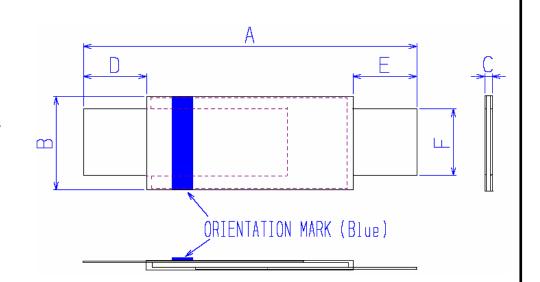
15.3mm nominal width

Marking: (Color: Green)

- Manufacturer's Mark

Part Identification





#### **TABLE I. DIMENSIONS:**

	Α		В		С			)	Е		F	
	MIN	MAX										
mm:	24.0	26.0	6.9	7.5	0.6	1.0	4.1	5.5	4.1	5.5	4.9	5.1
in*:	(0.94)	(1.02)	(0.27)	(0.30)	(0.02)	(0.04)	(0.16)	(0.22)	(0.16)	(0.22)	(0.19)	(0.20)

<sup>\*</sup>Rounded off approximation

TABLE II. PERFORMANCE RATINGS: As measured in Mueller Kelvin Clips model BU-75K.

	I HOLD	CURRENT TRIP LIMITS									TO	REFE	RENCE	ONE-	HOUR	TRIPPED-
											RIP	RESISTANCE		POST	-TRIP	STATE
ı														RESISTANCE		POWER
ı																DISSIPATION
	AMPS	AMPS		AMPS		AMPS		AMPS		SECONDS AT C		OH	OHMS OHMS		WATTS AT	
ı	20°C	AT 0°C		AT 20°C		AT 60°C		AT 80°C		20°C, 19 A		AT 20°C		AT 20°C		20°C, 15V
ı	HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	MAX
4	3.8	4.4	9.7	3.8	8.3	2.8	6.1				-	0.013	0.026	0.013	0.037	2.5

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



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