

**Specification Status: Released**

**Maximum Electrical Rating**

**Operating Voltage: 20Vdc**  
**Interrupt Current: 100A**

Chip Size: 8 x 33mm

Leads: Nickel 1/2H  
0.3mm nominal thickness

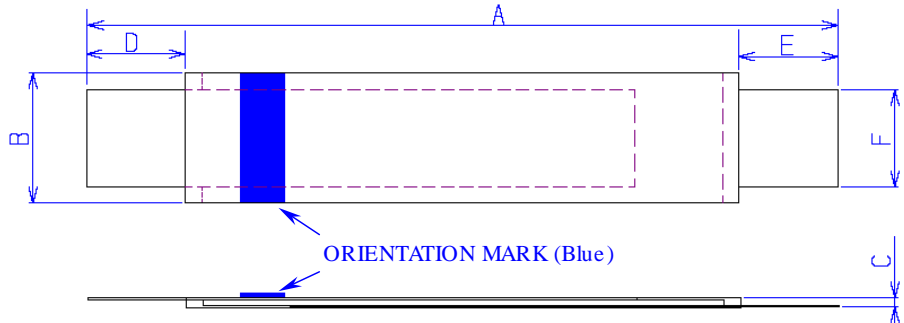
Tape: Polyester (White)  
35 mm nominal width

Solder: Lead-free

Marking (Color: Green) :  
Manufacturer's Mark

XX E90 — 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:	45.4	47.6	7.9	8.5	0.9	1.3	4.6	6.2	4.6	6.2	5.9	6.1
In*:	(1.79)	(1.87)	(0.31)	(0.33)	(0.04)	(0.05)	(0.18)	(0.24)	(0.18)	(0.24)	(0.23)	(0.24)

\*Rounded off approximation

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

I HOLD	CURRENT TRIP LIMITS									TIME TO TRIP	REFERENC E RESISTAN CE	ONE-HOUR POST-TRIP RESISTANC E	TRIPPED- STATE POWER DISSIPATION					
	AMPS 20°C		AMPS AT 0°C		AMPS AT 20°C		AMPS AT 60°C		AMPS AT 70°C					SECONDS AT 20°C, 45.0A	OHMS AT 20°C		WATTS AT 20°C, 20V	
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD						TRIP	MIN		MAX
9.0	10.0	18.7	9.0	16.7	6.2	11.6	5.5	10.3	---	5	0.006	0.010	0.006	0.014	3.8			

Agency Recognitions: UL, TUV, CSA

Reference Documents: PS300

Precedence:

Effectivity:Reference

CAUTION:

This specification takes precedence over documents referenced herein. 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.

**MATERIALS INFORMATION:**

**ROHS Compliant**

**ELV Compliant**

**Pb-Free**

Directive 2002/95/EC  
Compliant

Directive 2000/53/EC  
Compliant





Expertise Applied | Answers Delivered

**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: LR4-900F**

DOCUMENT: SCD25964  
REV LETTER: D  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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