

**Specification Status: Released**

**Maximum Electrical Rating**

**Operating Voltage: 15 Vdc  
MAX**

**Interrupt Current: 100A MAX**

Chip Size: 5 X 7mm

Leads: Nickel 1/4H

0.125mm nominal thickness

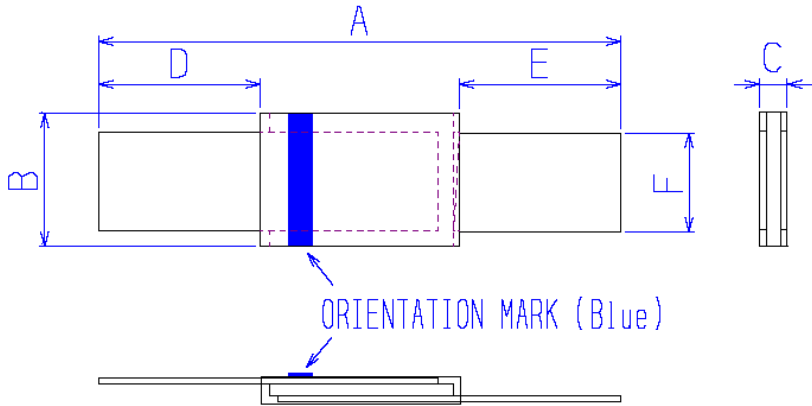
Solder: Lead-free

Tape: Polyester (White)

8mm nominal Width

Marking: (Color: Green)

- Manufacturer's Mark
- XX E19 — Part Identification
- — Lot Identification



**TABLE I. DIMENSIONS:**

	A		B		C		D		E		F	
mm:	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
	19.9	22.1	4.9	5.5	0.6	1.0	5.5	7.5	5.5	7.5	3.9	4.1
in*:	(0.78)	(0.87)	(0.19)	(0.22)	(0.02)	(0.04)	(0.22)	(0.30)	(0.22)	(0.30)	(0.15)	(0.16)

\*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 RESISTANC E		ONE-HOUR POST-TRIP RESISTANCE		TRIPPED- STATE POWER DISSIPATION			
	AMPS 20°C		AMPS AT 0°C		AMPS AT 20°C		AMPS AT 60°C		AMPS AT --°C		SECONDS AT 20°C, 9.5A		OHMS AT 20°C		OHMS AT 20°C		WATTS AT 20°C, 15V	
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	TYP	MAX
1.9	2.3	4.6	1.9	3.9	1.4	2.8	--	--	--	5	-	5	0.039	0.072	0.039	0.102	--	1.2

Agency Recognitions:  
Reference Documents:  
Precedence:

UL, TUV, CSA  
PS300

Effectivity:  
CAUTION:

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.

**Materials Information:**

**ROHS Compliant**

Directive 2002/95/EC  
Compliant

**ELV Compliant**

Directive 2000/53/EC  
Compliant

**Pb-Free**





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

**PRODUCT: LR4-190F**

DOCUMENT: SCD25564  
PCN: E24709  
REV LETTER: D  
REV DATE: July 26, 2016  
PAGE NO.: 2 OF 2

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