

**Tyco / Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025-1164  
 Phone: 800-227-4856  
 Fax: 800-227-4866

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

**PRODUCT:LR4-190**

DOCUMENT: SCD 23745  
 PCN: 638885  
 REV LETTER: D  
 REV DATE: AUGUST 26, 2002  
 PAGE NO: 1 OF 1

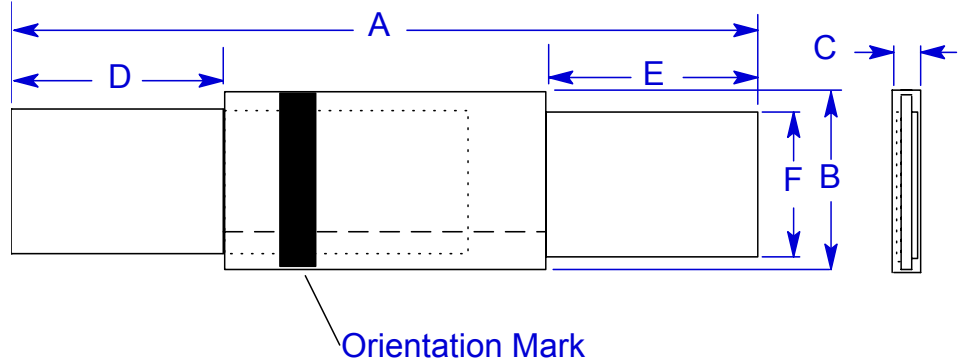
**Specification Status: Released**

**Electrical Rating**  
**Voltage: 15Vdc MAX**  
**Current: 100A MAX**

Leads:  
 Nickel: 0.13mm nom.

Tape:  
 Polyester

Marking:  
 \_\_\_\_\_ Manufacturer's Mark  
 XX E19 \_\_\_\_\_ 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:	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:**

I HOLD	CURRENT TRIP LIMITS								TIME TO TRIP	REFERENCE RESISTANCE	ONE-HOUR POST-TRIP RESISTANCE	TRIPPED-STATE POWER DISSIPATION			
	AMPS AT 0°C		AMPS AT 20°C		AMPS AT 60°C		AMPS AT 80°C						SECONDS AT 20°C, 9.5 A	OHMS AT 20°C	
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	
1.9	2.3	4.6	1.9	3.9	1.4	2.8	--	--	--	5	0.039	0.072	0.039	0.102	1.2

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.