

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: LR4-190F

DOCUMENT: SCD25564 PCN: E24709 REV LETTER: D

REV DATE: July 26, 2016 PAGE NO.: 1 OF 2

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

E19 — Part Identification

Lot Identification

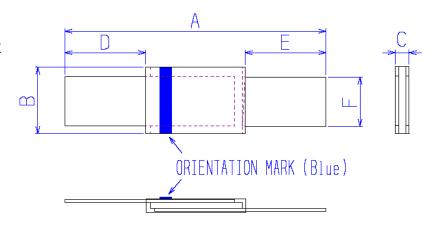


TABLE I. DIMENSIONS:

	A		В		С)	Е		F	
	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: As measured in Mueller Kelvin Clips model BU-75K.

I HOLD	CURRENT TRIP LIMITS									E TO	REFERENC ONE-HOUR			TRIPPED-		
										RIP		E	POST-TRIP		STATE	
											RESIS	STANC	RESIS	SISTANCE POW		VER
												E			DISSIPATION	
AMPS	AMPS		AMPS AMPS		PS	AMPS		SECONDS OHMS		IMS	OHMS		WATTS AT			
20°C	AT 0°C		AT 20°C		AT 60°C		AT°C		AT		AT 20°C		AT 20°C		20°C, 15V	
						20°C,9.5A										
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	TYP	MAX
1.9	2.3	4.6	1.9		1.4	2.8			-	5	0.039	0.072	0.039	0.102		1.2
				3.9					-							

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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