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PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: LR4-190SF

DOCUMENT: SCD 26642

PCN: D81876 REV LETTER: B

REV DATE: JUNE 15, 2007

PAGE NO.: 1 OF 1

Specification Status: Released

Electrical Rating
Voltage: 15V MAX
Current: 100A MAX

Chip Size: 5 x 7mm

Nickel 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

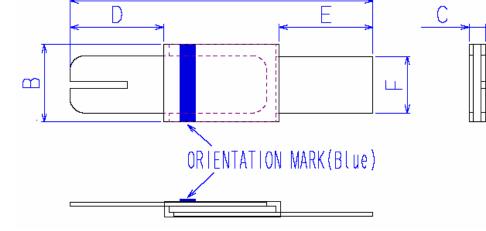


TABLE I. DIMENSIONS:

	Α		В		С)	E		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)	(0.21)	(0.02)	(0.03)	(0.21)	(0.29)	(0.21)	(0.29)	(0.15)	(0.16)	

^{*}Rounded off approximation

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

I HOLD			CUR	RENT	TRIP LIN	/IITS		TIME	E TO	REFE	RENCE	ONE-HOUR		TRIPPED-		
								TR	RIP	RESIS	TANCE	POST-TRIP		STATE		
													RESISTANCE		POWER	
														DISSIPATION		
AMPS	AMPS		AMPS AMPS		PS	AMPS		SECONDS AT		OHMS		OHMS		WATTS AT		
20°C	AT 0°C		AT 20°C		AT 60°C		AT°C		20°C,9.5A		AT 20°C		AT 20°C		20°C, 15V	
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	3.9	1.4	2.8				5	0.039	0.072	0.039	0.102		1.2

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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