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PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: LR4-190XF

DOCUMENT: SCD 25908

PCN: F05185 **REV LETTER: F**

REV DATE: JUNE 16, 2007

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Specification Status: Released

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

Chip Size: 7 x 5mm

Lead: Nickel 1/4H, 0.125mm

Nominal thickness

Tape: Polyester (White)

6.5mm Width

Solder: Lead-free

Marking: (Color: Green)

Manufacturer's Mark

X E19 — Part Identification

Lot Identification

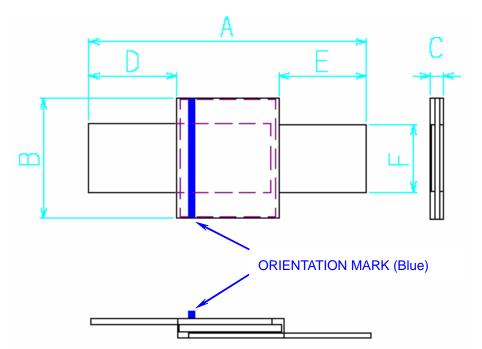


TABLE I. DIMENSIONS:

	Α		В		С)	Е		F	
	MIN	MAX										
mm:	15.4	17.5	6.9	7.5	0.6	1.0	4.0	6.2	4.0	6.2	3.9	4.1
in*:	(0.61)	(0.69)	(0.27)	(0.30)	(0.02)	(0.04)	(0.16)	(0.24)	(0.16)	(0.24)	(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	REFE	RENCE	ONE-	HOUR	TRIP	PED-
										RIP	RESISTANCE		POST-TRIP		STATE	
													RESISTANCE		POWER	
															DISSIP	ATION
AMPS	AMPS		AMI	PS	AMPS		AMPS		SECONDS AT OHMS		OHMS		WATTS AT			
20°C	AT 0°C		AT 20°C AT (O°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.

ELV Compliant

CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information:

ROHS Compliant

Directive 2000/53/EC Compliant

Pb-Free



Directive 2002/95/EC Compliant

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