

Tyco / Electronics
Raychem Circuit Protection
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: LR4-170UF

DOCUMENT: SCD 25978
 PCN: A92147
 REV LETTER: B
 REV DATE: AUGUST 3, 2005
 PAGE NO.: 1 OF 1

Specification Status: Preliminary

Electrical Rating

Voltage: 15V MAX
Current: 100A MAX

Chip Size: 3.9 X 8.2mm

Leads: Nickel 1/4H
 0.125mm nominal thickness

Solder: Lead-free

Tape: None

Marking: None

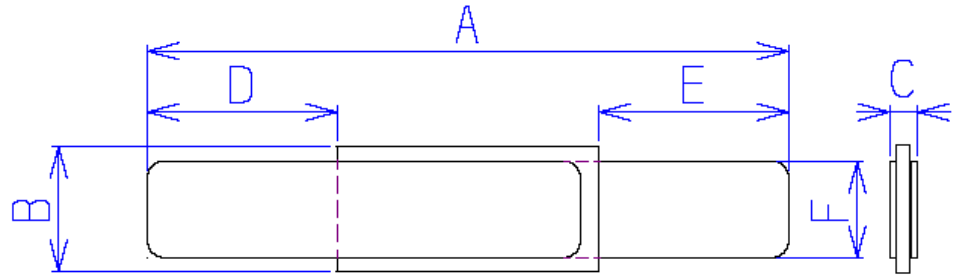


TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	19.0	21.0	3.8	4.1	0.5	0.7	5.3	6.5	5.3	6.5	2.9	3.1		
in*:	(0.75)	(0.83)	(0.15)	(0.16)	(0.02)	(0.03)	(0.21)	(0.26)	(0.21)	(0.26)	(0.11)	(0.12)		

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS: As measured in Muller Kelvin Clips Model BU-75K.

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 --°C		SECONDS AT 20°C, 8.5A					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
1.7	2.0	4.0	1.7	3.4	1.2	2.5	--	--	--	5	0.044	0.078	0.044	0.114	--	--	--	2.0

Agency Recognitions:
 Reference Documents:
 Precedence:
 Effectivity:
 CAUTION:
 Materials Information:

UL, TUV, CSA
 PS300
 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.

ROHS Compliant

Directive 2002/95/EC
 Compliant

ELV Compliant

Directive 2000/53/EC
 Compliant

Pb-Free

