

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: VLP190UF

DOCUMENT: SCD 25697
 PCN: E23901
 REV LETTER: B
 REV DATE: MAY 26, 2005
 PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

Operating Voltage: 16Vdc
Interrupt Current: 60A

Leads: Nickel 1/4H
 0.125mm nominal thickness

Solder: Lead-free

Tape: None

Marking: None

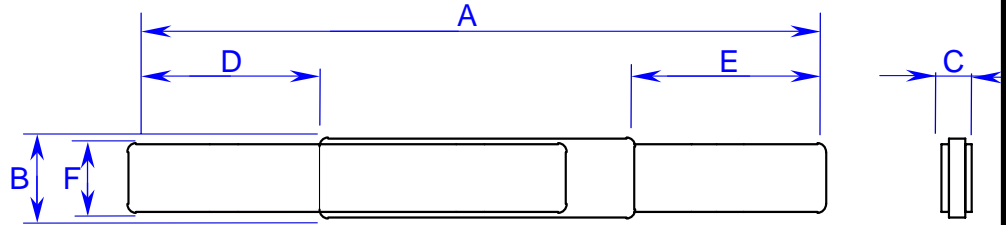


TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	24.5	26.5	2.7	2.9	---	0.7	6.5	7.5	6.5	7.5	2.3	2.5
in*:	(0.96)	(1.04)	(0.11)	(0.11)	---	(0.03)	(0.26)	(0.30)	(0.26)	(0.30)	(0.9)	(0.10)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS: As measured in Mueller 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 25°C HOLD	AMPS AT 0°C HOLD	AMPS AT 25°C TRIP	AMPS AT 60°C HOLD	AMPS AT 60°C TRIP	AMPS AT --°C HOLD	AMPS AT --°C TRIP	SECONDS AT 25°C, 9.5A MIN	SECONDS AT 25°C, 9.5A MAX					OHMS AT 25°C MIN	OHMS AT 25°C MAX
1.9	2.5	6.5	1.9	4.7	0.9	2.5	--	--	--	5	0.021	0.036	0.021	0.072	1.8

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

