

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: VLP175UAF

DOCUMENT: SCD25835

PCN: D55286 REV LETTER: E

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

Specification Status: Released

Maximum Electrical

Rating

Operating Voltage: 16Vdc Interrupt Current: 60A

Chip Size: 2.8 X 9.6 mm Leads: Nickel 1/2H

0.125mm nominal

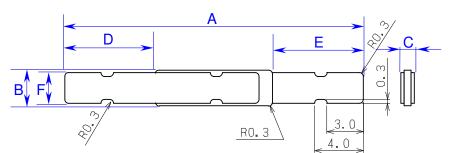
thickness Solder: Lead-free

Tape: None

Marking: None

mm:

in*:



*Dimension values on the drawing are for reference only.

TABLE I. DIMENSIONS:

MIN MAXMIN MAXMAX MIN MAX MIN MAX MIN MIN MIN 23.6 25.6 2.7 2.9 0.7 7.0 8.0 7.0 8.0 2.3 2.5 (0.93)(1.01)(0.11)(0.11)(0.03)(0.28)(0.31)(0.28)(0.31)(0.09)(0.98)

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

I HOLD	CURRENT TRIP LIMITS									TO IP	REFER	RENCE STANC	_		TRIPPED- STATE
											E	=	RESISTANC		_
													E		DISSIPATIO N
															IN
AMPS	AMPS		AMPS		AMPS		AMPS		SECONDS AT 25°C,		OHMS		OHMS		WATTS AT
25°C	AT 0°C		AT 25°C		AT 60°C		AT°C		8.75A		AT 25°C		AT 25°C		25°C, 16V
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	MIN	MAX	MAX
1.75	2.3	5.3	1.75	3.9	0.9	2.2				5.0	0.023	0.041	0.023	0.082	1.8

Agency Recognitions: UL, CSA, TUV
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

ELV Compliant

Pb-Free

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant



^{*}Rounded off approximation



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