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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: VLP175UAF

DOCUMENT: SCD25835
PCN: D55286
REV LETTER: E
REV DATE: JULY 26, 2016

Specification Status: Released

Maximum Electrical Rating

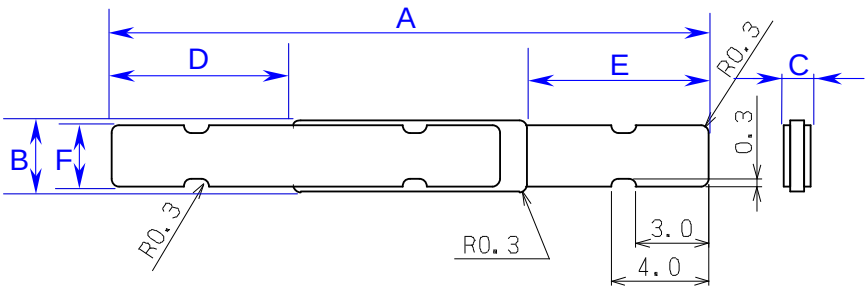
Operating Voltage: 16Vdc
Interrupt Current: 60A

Chip Size: 2.8 X 9.6 mm
Leads: Nickel 1/2H
0.125mm nominal thickness

Solder: Lead-free

Tape: None

Marking: None



*Dimension values on the drawing are for reference only.

TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN	MIN	MAX	MIN	MAX
mm:	23.6	25.6	2.7	2.9	---	0.7	7.0	8.0	7.0	8.0	2.3	2.5
in*:	(0.93)	(1.01)	(0.11)	(0.11)	---	(0.03)	(0.28)	(0.31)	(0.28)	(0.31)	(0.09)	(0.98)

*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	AMPS AT 0°C		AMPS AT 25°C		AMPS AT 60°C		AMPS AT --°C		SECONDS AT 25°C, 8.75A		OHMS AT 25°C		OHMS AT 25°C		WATTS AT 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
Directive 2002/95/EC Compliant

ELV Compliant
Directive 2000/53/EC Compliant

Pb-Free

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