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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: VLP120UF

DOCUMENT: SCD27299
REV LETTER: E
REV DATE: JULY 26, 2016
PAGE NO.: 1 OF 2

Specification Status: Released

Maximum Electrical Rating

Operating Voltage: 16Vdc MAX

Interrupt Current: 60A MAX

Chip Size: 3.5x4.5mm

Leads: Nickel 1/2H

0.125mm nominal thickness

Solder: Lead-free

Tape: None

Marking: Laser marking

□ □ □ □ — Lot Identification

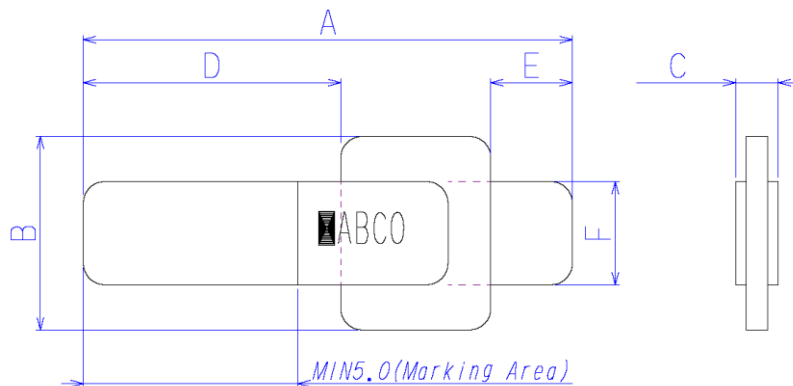


TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	TYP	MIN	MAX
mm:	10.9	11.8	4.4	4.6	--	0.7	5.5	6.5	1.65	1.9	2.3	2.5
in*:	0.43	0.46	0.17	0.18	--	0.028	0.22	0.26	0.065	0.075	0.091	0.098

*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 40°C HOLD	AMPS AT 40°C TRIP	AMPS AT 60°C HOLD	AMPS AT 60°C TRIP	AMPS AT 60°C HOLD	AMPS AT 60°C TRIP	SECONDS AT 25°C, 7.0A TYP	SECONDS AT 25°C, 7.0A MAX	OHMS AT 25°C MIN	OHMS AT 25°C MAX	OHMS AT 25°C MIN	OHMS AT 25°C MAX
1.2	1.8	4.9	1.2	3.6	1.0	3.0	0.6	2.1	-	5.0	0.039	0.067	0.039	0.134	1.6

Agency Recognition:
Reference Document:
Precedence:
Effectivity:
CAUTION:

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.

Materials Information

ROHS Compliant

Directive 2002/95/EC
Compliant

ELV Compliant

Directive 2000/53/EC
Compliant

Pb-Free





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