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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

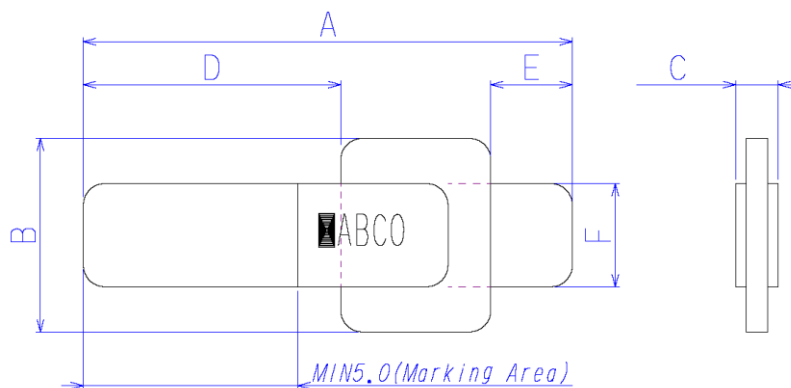


TABLE I. DIMENSIONS:

	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		AMPS AT 25°C		AMPS AT 40°C		AMPS AT 60°C		SECONDS AT 25°C, 7.0A		OHMS AT 25°C		OHMS AT 25°C		WATTS AT 25°C, 16V
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	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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