

Specification Status: Released

Maximum Electrical Rating

Operating Voltage: 12Vdc
Interrupt Current: 100A

Chip Size: 3x12mm

Leads: Nickel 1/4H
 0.125mm nominal thickness

Solder: Lead-free

Tape: Polyester (White)
 13mm nominal width

Marking: (Color: Green)

- Manufacturer's Mark
- XX R1X — Part Identification
- — Lot Identification

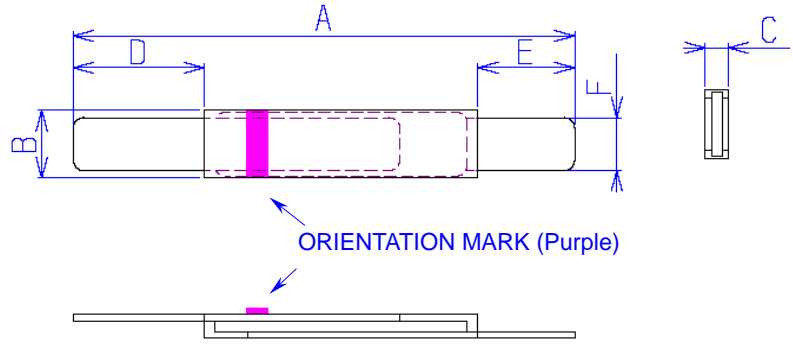


TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	23.0	24.5	2.9	3.3	0.5	0.8	4.7	7.2	3.8	5.4	2.4	2.6
in*:	(0.91)	(0.96)	(0.11)	(0.13)	(0.02)	(0.03)	(0.19)	(0.28)	(0.15)	(0.21)	(0.09)	(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 HOLD	AMPS AT 0°C HOLD	AMPS AT 25°C TRIP	AMPS AT 60°C HOLD	AMPS AT 60°C TRIP	AMPS HOLD	AMPS TRIP	SECONDS AT 25°C, 8.75A MIN	SECONDS AT 25°C, 8.75A MAX	OHMS AT 25°C MIN	OHMS AT 25°C MAX	OHMS AT 25°C MIN	
1.75	2.4	5.6	1.75	4.2	0.8	2.0	---	5	0.017	0.031	0.017	0.062	1.4

Agency Recognition: UL, TUV, CSA
 Reference Document: 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



Expertise Applied | Answers Delivered

PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: VLR175F

DOCUMENT: SCD25501
REV LETTER: H
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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