

Specification Status: Released

Maximum Electrical Rating
Operating Voltage: 12Vdc
Interrupt Current: 100A

Chip Size: 3 X 12 mm

Leads: Nickel 1/4H
0.125mm nominal thickness

Tape: Polyester (White)
13mm nominal width

Solder: Lead-free

Marking: (Color: Green)
Manufacturer's Mark

XX R1X — Part Identification

□□□□ — Lot Identification

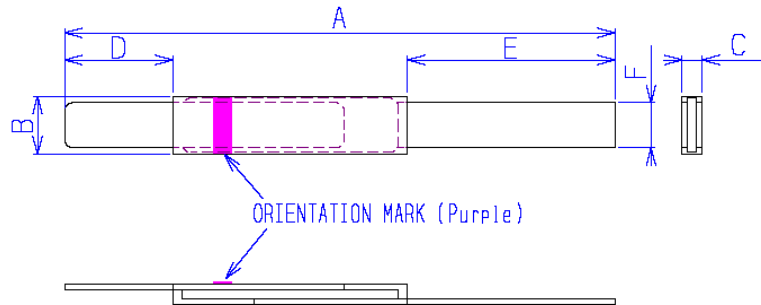


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | | F | |
|------|--------|--------|--------|--------|-----|--------|--------|--------|--------|--------|--------|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | 29.3 | 31.7 | 2.9 | 3.3 | --- | 0.8 | 5.2 | 6.8 | 10.0 | 12.5 | 2.4 | 2.6 |
| in*: | (1.15) | (1.25) | (0.11) | (0.13) | -- | (0.03) | (0.20) | (0.27) | (0.39) | (0.49) | (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 | REFERENC E RESISTANC E | 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 80°C | | | | | OHMS AT 25°C | | WATTS AT 25°C, 12V | |
| | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | HOLD | | | | | TRIP | MIN | | MAX |
| 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 Recognitions: UL, TUV, CSA
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





Expertise Applied | Answers Delivered

PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT : VLR175LF

DOCUMENT: SCD25533
PCN: D34121
REV LETTER: F
REV DATE: July 26, 2016
PAGE NO.: 2 OF 2

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