

Specification Status: Released

Maximum Electrical

Rating

Operating Voltage: 12Vdc

Interrupt Current: 100A

Chip Size: 5 X 12mm

Leads: Nickel 1/4H
0.125mm nominal thickness

Solder: Lead-free

Tape: Polyester (White)
13 mm nominal width

Marking: (Color: Green)

- Manufacturer's Mark
- ⊗ R23 — Part Identification
- □ □ □ — Lot Identification

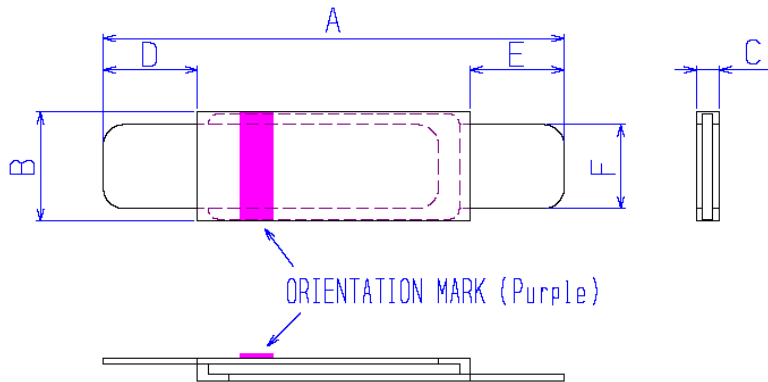


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | | F | |
|------|--------|--------|--------|--------|-----|--------|--------|--------|--------|--------|--------|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | 20.9 | 23.1 | 4.9 | 5.3 | --- | 0.8 | 4.1 | 5.8 | 4.1 | 5.8 | 3.9 | 4.1 |
| in*: | (0.82) | (0.91) | (0.19) | (0.21) | -- | (0.03) | (0.16) | (0.23) | (0.16) | (0.23) | (0.15) | (0.16) |

*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 E | | ONE-HOUR POST-TRIP RESISTANCE E | | 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, 10.0A | SECONDS AT 25°C, 10.0A | OHMS AT 25°C | OHMS AT 25°C | WATTS AT 25°C, 12V | WATTS AT 25°C, 12V | | | | | |
| HOLD | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | TYP | MAX | MIN | MAX | TYP | MAX | TYP | MAX |
| 2.3 | 3.4 | 6.6 | 2.3 | 5.0 | 0.9 | 2.3 | --- | --- | 2.4 | 5 | 0.012 | 0.018 | 0.031 | 0.036 | 1.4 | 2.5 |

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: VLR230F

DOCUMENT: SCD25580
PCN: D03587
REV LETTER: D
REV DATE: July 26, 2016
PAGE NO.: 2 OF 2

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