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## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: VLR170F

DOCUMENT: SCD26025 PCN: D91020 REV LETTER: C REV DATE: MAY 11, 2011 PAGE NO.: 1 OF 1

## **Specification Status: Released Maximum Electrical Rating** Operating Voltage: 12Vdc Interrupt Current: 100A Chip Size: 3.6 X 10mm Lт Leads: Nickel 1/4H 0.125mm nominal thickness $\hat{}$ Tape: Polyester (White) 11.0 mm nominal width Solder: Lead-free **ORIENTATION MARKING (Purple)** Lot Marking Ink Color: Green Marking: Manufacturer's Mark Part Identification 💥 R17 -Lot Identification **TABLE I. DIMENSIONS:** С D Е R F MIN MAX MIN MAX MIN MAX MIN MAX MIN MAX MIN MAX 6.5 20.8 23.2 3.5 3.9 0.8 4.5 4.5 6.5 2.4 2.6 mm: \_\_\_ (0.82)(0.91)(0.14)(0.15)(0.03)(0.18)(0.26)(0.18)(0.26)(0.09)(0.10)in\*: \*Rounded off approximation TABLE II. PERFORMANCE RATINGS: As measured in Mueller Kelvin Clips model BU-75K. CURRENT TRIP LIMITS TIME TO I HOLD REFERENCE **ONE-HOUR** TRIPPED-TRIP RESISTANCE POST-TRIP STATE RESISTANCE POWER DISSIPATION AMPS AMPS AMPS AMPS AMPS SECONDS AT OHMS OHMS WATTS AT 25°C AT 0°C AT 25°C AT 60°C AT --°C 25°C, 8.5A AT 25°C AT 25°C 25°C, 12V TRIP HOLD TRIP HOLD TRIP HOLD TRIP HOLD HOLD MIN MAX MIN MAX MIN MAX MAX 0.018 0.032 0.018 0.064 1.7 2.4 5.6 1.7 4.1 0.7 1.9 5 \_\_\_\_ 1.4 Agency Recognitions: UL, TUV, CSA Reference Documents: PS300 This specification takes precedence over documents referenced herein. Precedence: 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 ELV Compliant** Pb-Free Directive 2000/53/EC Directive 2002/95/EC Compliant Compliant

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