## *<del>Z</del> Tyco Electronics*

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## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: VLR175UF

DOCUMENT: SCD 25387 PCN: A43993 REV LETTER: C REV DATE: JUNE 25, 2007 PAGE NO.: 1 OF 1

Raychem Circuit Protection Products

## **Specification Status: Preliminary** Maximum Electrical Rating **Operating Voltage: 12Vdc** Interrupt Current: 100A D С Leads: Nickel 0.125mm nominal thickness F Tape: None Solder: Lead-free Marking: None **TABLE I. DIMENSIONS:** В С D F F MIN MAX MIN MAX MIN MAX MIN MAX MIN MAX MIN MAX 5.2 mm: 23.0 24.5 2.9 3.1 ---0.7 7.5 4.3 5.7 2.4 2.6 in\*: (0.91)(0.96)(0.11)(0.12)---(0.03)(0.20)(0.30)(0.17)(0.22)(0.09)(0.10)\*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 SECONDS AT AMPS AMPS OHMS OHMS WATTS AT AT 0°C 25°C AT 25°C AT 60°C AT 80°C 25°C, 8.75A AT 25°C AT 25°C 25°C, 12V HOLD TRIP HOLD TRIP HOLD HOLD TRIP HOLD TRIP MIN MAX MIN MAX MIN MAX 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 ELV Compliant Pb-Free** Directive 2002/95/EC Directive 2000/53/EC Compliant Compliant

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