

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TS600-400F

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Specification Status: Released Maximum Operating Voltage: 60 VDC Fault Ratings at 20°C: 250V_{AC}, 3A, 10 applications 600V_{AC}, 60A, 1 application С Additional Info at 20°C: Resistance matched: N/A Lightning withstand: GR1089 Levels 1 & 2 Helps equipment meet UL60950 (UL1459) and GR1089 Terminal Material: Tin-Plated Brass R Case Material: 1000V Dielectric Rating Marking: Е Manufacturer's Mark Δ Ж T40 Part Identification Lot Identification **TABLE I. DIMENSIONS:** В D Е С Е Α MIN MAX MIN MIN MAX MIN MAX MIN MAX MIN MAX MAX 18.3 19.4 12.3 9.9 10.4 mm: 11.6 7.2 8.3 1.7 2.4 1.5 2.3 in:* (0.72)(0.77)(0.46)(0.49)(0.29)(0.07) (0.09)(0.39)(0.33)(0.41)(0.06) (0.09)*Rounded off approximation TABLE II. PERFORMANCE RATINGS @ 20°C (unless otherwise noted): TRIP HOLD RESISTANCE (Ω) TRIPPED TIME TO TRIP(Sec) **OPERATING** CURRENT CURRENT @ 3A **TEMPERATURE (°C)** POWER DISSIPATION (A) (A) **R MIN R** Тур **R1 MAX*** TYP MAX MIN MAX (W) **TYP** @ 60V_{DC} 0.400 1.000 0.5 2.0 5.0 -40 85 2.0 1.1 14 0 *Maximum device resistance at 20°C measured 1 hour post reflow or post trip. **TABLE III. APPLICABLE PART DESCRIPTIONS:** PART DESCRIPTION PCN # (INTERNAL USE ONLY) PACKAGING TYPE NOTE TS600-400F RF0309-000 N/A Bulk Agency Recognitions: UL (file #E74889), CSA (file #78165) **Reference Documents:** PS300, GR1089 specifications, UL60950 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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