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## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT : MXP190BB

DOCUMENT: SCD26527 REV LETTER: E REV DATE: MAY 20, 2013 PAGE NO.: 1 OF 1

## **Specification Status: Released** Maximum Electrical Rating Α Operating Voltage : 6Vdc Interrupt Current : 50A Leads: Nickel 1/2H 0.1mm nominal thickness В F Solder: Lead-free Tape: None Marking: None Е \*Coating Area **TABLE I. DIMENSIONS:** С D MIN MAX MIN MAX MIN MAX MIN MAX MIN MAX MIN MAX 2.96 mm: 9.2 10.8 3.26 0.7 1.1 1.6 3.1 1.6 3.1 2.2 2.4 (0.03)(0.04)in\*: (0.36)(0.43)(0.12)(0.13)(0.06)(0.12)(0.06)(0.12)(0.09)(0.09)\*Rounded off approximation TABLE II. PERFORMANCE RATINGS: As measured in Mueller Kelvin Clips model BU-75K. I HOLD CURRENT TRIP LIMITS TIME TO REFERENCE **ONE-HOUR** TRIPPED-TRIP RESISTANCE POST-TRIP STATE RESISTANCE POWER DISSIPATION AMPS SECONDS AT mOHMS AMPS AMPS AMPS AMPS mOHMS WATTS AT AT 0℃ AT 25℃ AT 60℃ AT 85℃ 25℃, 9.5A AT 25℃ AT 25℃ 25°C, 6V 25℃ HOLD HOLD TRIP HOLD TRIP HOLD HOLD TRIP MIN MAX MIN 1 MAX MIN TRIP MAX MAX 1.2 6.8 4.9 0.85 2.2 0.4 2.0 15 24 1.0 1.9 2.6 1.9 UL, CSA, TUV Agency Recognitions: **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. Open or high resistance mode failure within rating voltage. Damage to coating may result in electrical performance outside specified ratings. Materials Information: **ROHS Compliant ELV Compliant** Pb-Free Directive 2002/95/EC Directive 2000/53/EC Compliant Compliant © 2006, 2013 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All rights reserved.