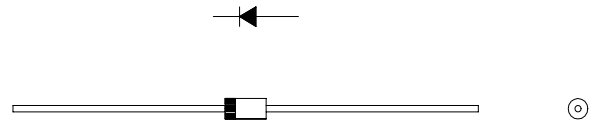


SBD Type :11DQ04

FEATURES

- * Miniature Size
- * Low Forward Voltage drop
- * Low Power Loss, High Efficiency
- * High Surge Capability
- * 40 Volts thru 100 Volts Types Available
- * 52mm Inside Tape Spacing Package Available

OUTLINE DRAWING



Maximum Ratings

Approx Net Weight:0.32g

| Rating | | Symbol | 11DQ04 | | | Unit |
|--------------------------------------|--------------------------|--------------|---------------|---|------------------------------------|-------------|
| Repetitive Peak Reverse Voltage | | V_{RRM} | 40 | | | V |
| Non-repetitive Peak Reverse Voltage | | V_{RSM} | 45 | | | V |
| Average Rectified Output Current | Without Fin or P.C.Board | I_O | 1.0 | $T_a=32^{\circ}C^*$ | 50Hz Half Sine Wave Resistive Load | A |
| | P.C.Board mounted | | 1.0 | $T_a=73^{\circ}C^*$ | | |
| RMS Forward Current | | $I_{F(RMS)}$ | 1.57 | | | A |
| Surge Forward Current | | I_{FSM} | 40 | 50Hz Half Sine Wave, 1cycle, Non-repetitive | | A |
| Operating Junction Temperature Range | | T_{jw} | - 40 to + 150 | | | $^{\circ}C$ |
| Storage Temperature Range | | T_{stg} | - 40 to + 150 | | | $^{\circ}C$ |

Electrical • Thermal Characteristics

| Characteristics | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|--|---------------|---------------------------------------|------|------|------|---------------|
| Peak Reverse Current | I_{RM} | $T_j = 25^{\circ}C, V_{RM} = V_{RRM}$ | - | - | 1 | mA |
| Peak Forward Voltage | V_{FM} | $T_j = 25^{\circ}C, I_{FM} = 1.0A$ | - | - | 0.55 | V |
| Thermal Resistance (Junction to Ambient) | $R_{th(j-a)}$ | Without Fin or P.C.Board | - | - | 130 | $^{\circ}C/W$ |
| | | P.C.Board mounted | - | - | 81 | |

*:Print Lands=5x5mm,Both Sides

11DQ04 OUTLINE DRAWING (Dimensions in mm)

