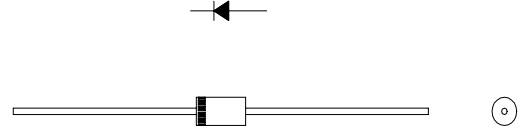


SBD Type : 21DQ10

FEATURES

- * Miniature Size
- * Low Forward Voltage Drop
- * Low Power Loss, High Efficiency
- * High Surge Capability
- * 30volts trough 100volts Types Available
- * 52mm Inside Tape Spacing Package Available

OUTLINE DRAWING



Maximum Ratings

Approx Net Weight:0.38g

| Rating | | Symbol | 21DQ10 | | | Unit |
|-------------------------------------|--------------------------|--------------|---------------|--------------------------------------|-------------------------------|-------------|
| Repetitive Peak Reverse Voltage | | V_{RRM} | 100 | | | V |
| Average Rectified Output Current | Without Fin or P.C.Board | I_O | 1.3 | $T_a=28^{\circ}C$ | Half Sine Wave Resistive Load | A |
| | P.C.Board Mounted * | | 1.7 | $T_a=43^{\circ}C$ | | |
| RMS Forward Current | | $I_{F(RMS)}$ | 2.67 | | | A |
| Surge Forward Current | | I_{FSM} | 70 | Half Sine Wave,1cycle,Non-repetitive | | A |
| Operating JunctionTemperature 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} | $T_j= 25^{\circ}C, I_{FM}= 2 A$ | - | - | 0.85 | V |
| Thermal Resistance(Junction to Ambient) | $R_{th(j-a)}$ | Without Fin or P.C.Board | - | - | 105 | $^{\circ}C/W$ |
| | | P.C.Board mounted * | | | 70 | |

* :Print Lands = 5x5 mm,Both Sides

21DQ10 OUTLINE DRAWING (Dimensions in mm)

