



SBD Type : 21DQ03L

FEATURES

- * Miniature Size
- * Extremely 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 | 21DQ03L | | | Unit |
|--------------------------------------|--------------|---------------|--|-------------------------------|-------------|
| Repetitive Peak Reverse Voltage | V_{RRM} | 30 | | | V |
| Average Rectified Output Current | I_O | 1.42 | $T_a=25^{\circ}C$ | Half Sine Wave Resistive Load | A |
| | | 1.7 | $T_a=30^{\circ}C$ | | |
| RMS Forward Current | $I_{F(RMS)}$ | 2.67 | | | A |
| Surge Forward Current | I_{FSM} | 50 | 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} | $T_j = 25^{\circ}C, V_{RM} = V_{RRM}$ | - | - | 2 | mA |
| Peak Forward Voltage | V_{FM} | $T_j = 25^{\circ}C, I_{FM} = 1.7 A$ | - | - | 0.45 | V |
| Thermal Resistance(Junction to Ambient) | $R_{th(j-a)}$ | Without Fin or P.C.Board | - | - | 105 | $^{\circ}C/W$ |
| | | P.C.Board mounted * | - | - | 80 | |

* :Print Lands = 5x5 mm, Both Sides



21DQ03L OUTLINE DRAWING (Dimensions in mm)

