

3A Avg.

60 Volts

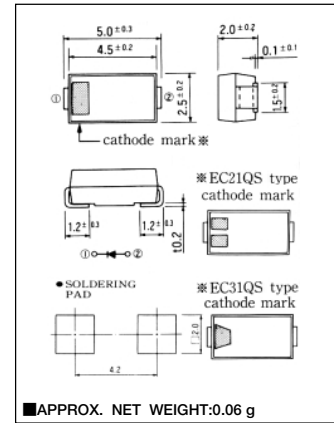
SBD

EC31QS06

■最大定格 Maximum Ratings

| Item | Symbol | Conditions | Unit |
|--|--------------|--|--|
| くり返しピーク逆電圧 Repetitive Peak Reverse Voltage | V_{RRM} | 60 | V |
| 平均整流電流 Average Rectified Forward Current | I_O | 50Hz, 正弦半波通電抵抗負荷 50Hz Half Sine Wave Resistive Load | $T_a=36^{\circ}\text{C}^*$ 1.0 A |
| | | | $T_l=64^{\circ}\text{C}$ 3.0 A |
| 実効順電流 R.M.S. Forward Current | $I_{F(RMS)}$ | 4.71 | A |
| サージ順電流 Surge Forward Current | I_{FSM} | 50 50Hz正弦半波, 1サイクル, 非くり返し 50Hz Half Sine Wave, 1cycle, Non-repetitive | A |
| 動作接合温度範囲 Operating Junction Temperature Range | T_{jw} | -40~+150 | $^{\circ}\text{C}$ |
| 保存温度範囲 Storage Temperature Range | T_{stg} | -40~+150 | $^{\circ}\text{C}$ |

■OUTLINE DRAWING(mm)



■電氣的・熱的特性 Electrical/Thermal Characteristics

| Item | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|--------------------------------|---------------|--|------|------|------|-----------------------------|
| ピーク逆電流 Peak Reverse Current | I_{RM} | $T_j=25^{\circ}\text{C}, V_{RM}=V_{RRM}$ | — | — | 3 | mA |
| ピーク順電圧 Peak Forward Voltage | V_{FM} | $T_j=25^{\circ}\text{C}, I_{FM}=3\text{A}$ | — | — | 0.61 | V |
| 熱抵抗 Thermal Resistance | $R_{th(j-a)}$ | 接合部・周囲間 Junction to Ambient | — | — | 108 | $^{\circ}\text{C}/\text{W}$ |
| | $R_{th(j-l)}$ | 接合部・リード間 Junction to Lead | — | — | 23 | $^{\circ}\text{C}/\text{W}$ |

*アルミナ基板実装/Alumina Substrate mounted (Soldering Lands= 2 × 2 mm, Both Sides)

■定格・特性曲線

