

2A Avg.

60 Volts

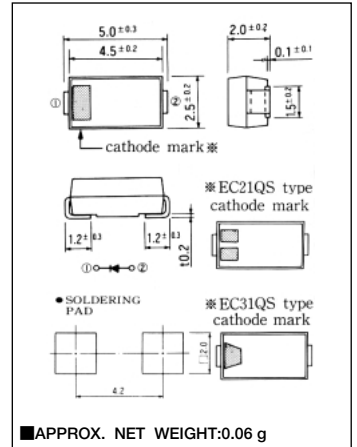
SBD

EC21QS06

■最大定格 Maximum Ratings

| Item   | Symbol            | Conditions   | Unit   |
|--|-------------------|--|--|
| くり返しピーク逆電圧<br>Repetitive Peak Reverse Voltage    | $V_{RRM}$         | 60   | V  |
| 平均整流電流<br>Average Rectified Forward Current      | $I_O$             | 50Hz、正弦半波通電抵抗負荷<br>50Hz Half Sine Wave Resistive Load                  | $T_a=35^{\circ}\text{C}^*$<br>1.0<br>A                     |
|  |                   |  | $T_l=90^{\circ}\text{C}$<br>T:lead Temperature<br>2.0<br>A |
| 実効順電流<br>R.M.S. Forward Current                  | $I_F(\text{RMS})$ | 3.14   | A  |
| サージ順電流<br>Surge Forward Current                  | $I_{FSM}$         | 40 50Hz正弦半波、1サイクル、非くり返し<br>50Hz Half Sine Wave, 1cycle, Non-repetitive | A  |
| 動作接合温度範囲<br>Operating Junction Temperature Range | $T_{jw}$          | -40~+150   | $^{\circ}\text{C}$   |
| 保存温度範囲<br>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<br>Peak Reverse Current | $I_{RM}$      | $T_j=25^{\circ}\text{C}$ , $V_{RM}=V_{RRM}$   | —    | —    | 2    | mA                          |
| ピーク順電圧<br>Peak Forward Voltage | $V_{FM}$      | $T_j=25^{\circ}\text{C}$ , $I_{FM}=2\text{A}$ | —    | —    | 0.61 | V                           |
| 熱抵抗<br>Thermal Resistance      | $R_{th(j-a)}$ | 接合部・周囲間<br>Junction to Ambient                | —    | —    | 108  | $^{\circ}\text{C}/\text{W}$ |
|                                | $R_{th(j-l)}$ | 接合部・リード間<br>Junction to Lead                  | —    | —    | 23   | $^{\circ}\text{C}/\text{W}$ |

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

■定格・特性曲線

