

2A Avg.

65 Volts

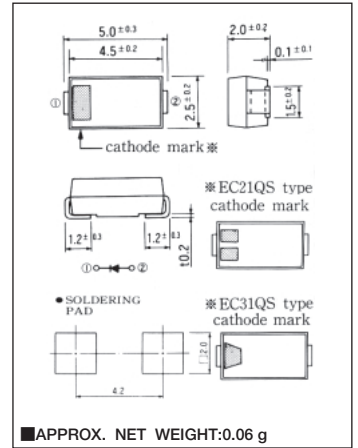
SBD

EC20QSA065

■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    | $V_{RRM}$  | 65   | 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                   | 1.5<br>A |
|  |            |  | 2.0<br>A |
| 実効順電流<br>R.M.S. Forward Current                  | $I_F(RMS)$ | 3.14   | A        |
| サージ順電流<br>Surge Forward Current                  | $I_{FSM}$  | 50 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   | °C       |
| 保存温度範囲<br>Storage Temperature Range              | $T_{stg}$  | -40~+150   | °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 | $I_{RM}$      | $T_j=25^{\circ}C, V_{RM}=65V$  | —    | —    | 200  | $\mu A$ |
| ピーク順電圧<br>Peak Forward Voltage | $V_{FM}$      | $T_j=25^{\circ}C, I_{FM}=2A$   | —    | —    | 0.61 | V       |
| 熱抵抗<br>Thermal Resistance      | $R_{th(j-a)}$ | 接合部・周囲間<br>Junction to Ambient | —    | —    | 108  | °C/W    |
|                                | $R_{th(j-l)}$ | 接合部・リード間<br>Junction to Lead   | —    | —    | 23   | °C/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

