

10A Avg.

40 Volts

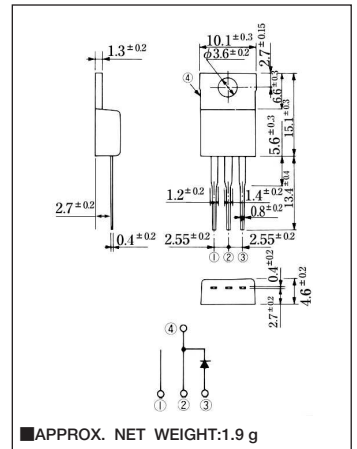
SBD

GSQ10A04B

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      | $V_{RRM}$         | 40  | V                             |   |
| 非くり返しピーク逆電圧<br>Non-repetitive Peak Reverse Voltage | $V_{RSM}$         | 45  | 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                    | $T_c=119^\circ\text{C}$<br>10 | A |
| 実効順電流<br>R.M.S. Forward Current                    | $I_F(\text{RMS})$ | 15.7  | A                             |   |
| サージ順電流<br>Surge Forward Current                    | $I_{FSM}$         | 180 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  | $^\circ\text{C}$              |   |
| 締付トルク<br>Mounting torque                           | $F_{tor}$         | 推奨値<br>Recommended Value  | 0.5 N·m                       |   |

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 | $I_{RM}$      | $T_j=25^\circ\text{C}, V_{RM}=V_{RRM}$    | —    | —    | 10   | mA                 |
| ピーク順電圧<br>Peak Forward Voltage | $V_{FM}$      | $T_j=25^\circ\text{C}, I_{FM}=10\text{A}$ | —    | —    | 0.59 | V                  |
| 熱抵抗<br>Thermal Resistance      | $R_{th(j-c)}$ | 接合部・ケース間<br>Junction to Case              | —    | —    | 3    | $^\circ\text{C/W}$ |

定格・特性曲線

