

10A Avg.

60 Volts

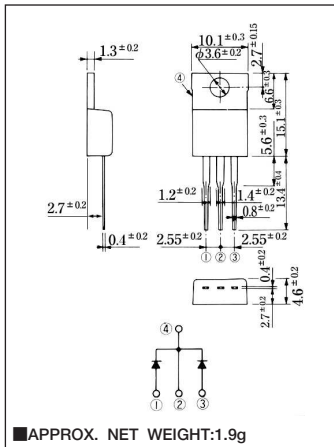
SBD

GCQ10A06

■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                             |
| 非くり返しピーク逆電圧<br>Non-repetitive Peak Reverse Voltage | $V_{RSM}$         | 65  | V                             |
| 平均整流電流<br>Average Rectified Forward Current        | $I_O$             | 50Hz, 正弦全波通電抵抗負荷<br>50Hz Full Sine Wave Resistive Load                    | $T_c=108^\circ\text{C}$<br>10 |
| 実効順電流<br>R.M.S. Forward Current                    | $I_F(\text{RMS})$ | 11.1  | A                             |
| サージ順電流<br>Surge Forward Current                    | $I_{FSM}$         | 110 50Hz正弦全波, 1サイクル, 非くり返し<br>50Hz Full 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 | $I_{RM}$      | $T_j=25^\circ\text{C}$ , $V_{RM}=V_{RRM}$ , 一素子あたり<br>Per Diode   | —    | —    | 5    | mA                        |
| ピーク順電圧<br>Peak Forward Voltage | $V_{FM}$      | $T_j=25^\circ\text{C}$ , $I_{FM}=5\text{A}$ , 一素子あたり<br>Per Diode | —    | —    | 0.58 | V                         |
| 熱抵抗<br>Thermal Resistance      | $R_{th(j-c)}$ | 接合部・ケース間<br>Junction to Case                                      | —    | —    | 3    | $^\circ\text{C}/\text{W}$ |

■定格・特性曲線

