

30A Avg.

60 Volts

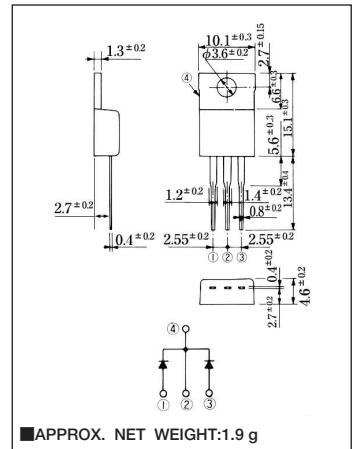
SBD

GCQ30A06

■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、正弦全波通電抵抗負荷 50Hz Full Sine Wave Resistive Load | $T_c=94^{\circ}C$ | 30 |
| 実効順電流 R.M.S. Forward Current | $I_F(RMS)$ | 33.3 | | A |
| サージ順電流 Surge Forward Current | I_{FSM} | 200 | 50Hz正弦全波、1サイクル、非くり返し 50Hz Full Sine Wave, 1cycle, Non-repetitive | A |
| 動作接合温度範囲 Operating Junction Temperature Range | T_{jw} | -40~+150 | | $^{\circ}C$ |
| 保存温度範囲 Storage Temperature Range | T_{stg} | -40~+150 | | $^{\circ}C$ |
| 締付トルク Mounting torque | F_{tor} | 推奨値 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 Peak Reverse Current | I_{RM} | $T_j=25^{\circ}C, V_{RM}=V_{RRM}$, 一素子あたり Per Diode | — | — | 15 | mA |
| ピーク順電圧 Peak Forward Voltage | V_{FM} | $T_j=25^{\circ}C, I_{FM}=15A$, 一素子あたり Per Diode | — | — | 0.65 | V |
| 熱抵抗 Thermal Resistance | $R_{th(j-c)}$ | 接合部・ケース間 Junction to Case | — | — | 1.5 | $^{\circ}C/W$ |

■定格・特性曲線

