

6A Avg..

400 Volts

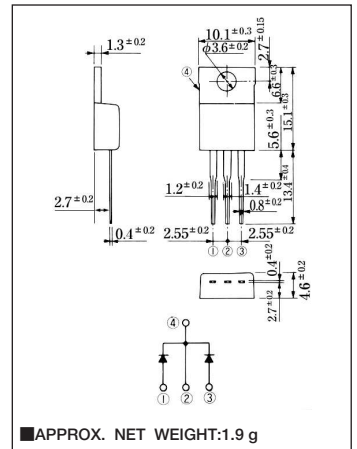
FRED

GCF06A40

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      | $V_{RRM}$         | 400  |   | V                |
| 非くり返しピーク逆電圧<br>Non-repetitive Peak Reverse Voltage | $V_{RSM}$         | 440  |   | 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 | $T_c=118^\circ\text{C}$   | 6                |
| 実効順電流<br>R.M.S. Forward Current                    | $I_F(\text{RMS})$ | 6.66   |   | A                |
| サージ順電流<br>Surge Forward Current                    | $I_{FSM}$         | 60   | 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               | —    | —    | 20   | $\mu\text{A}$             |
| ピーク順電圧<br>Peak Forward Voltage | $V_{FM}$      | $T_j=25^\circ\text{C}$ , $I_{FM}=3\text{A}$ , 一素子あたり<br>Per Diode             | —    | —    | 1.25 | V                         |
| 逆回復時間<br>Reverse Recovery Time | $t_{rr}$      | $I_{FM}=3\text{A}$ , $-di/dt=50\text{A}/\mu\text{s}$ , $T_j=25^\circ\text{C}$ | —    | —    | 30   | ns                        |
| 熱抵抗<br>Thermal Resistance      | $R_{th(j-c)}$ | 接合部・ケース間<br>Junction to Case  | —    | —    | 4    | $^\circ\text{C}/\text{W}$ |

定格・特性曲線

