

5A Avg.

60 Volts

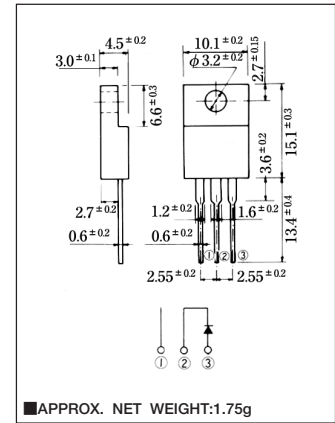
SBD

FSQ05A06B

■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       |
| 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                    | 5 A     |
| 実効順電流<br>R.M.S. Forward Current                  | $I_{F(RMS)}$ | 7.85  | A       |
| サージ順電流<br>Surge Forward Current                  | $I_{FSM}$    | 110 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      |
| 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 | $I_{RM}$      | $T_j=25^{\circ}C, V_{RM}=V_{RRM}$ | —    | —    | 5    | mA   |
| ピーク順電圧<br>Peak Forward Voltage | $V_{FM}$      | $T_j=25^{\circ}C, I_{FM}=5A$      | —    | —    | 0.58 | V    |
| 熱抵抗<br>Thermal Resistance      | $R_{th(j-c)}$ | 接合部・ケース間<br>Junction to Case      | —    | —    | 5    | °C/W |
|                                | $R_{th(c-f)}$ | ケース・フィン間<br>Case to Fin           | —    | —    | 1.5  | °C/W |

■定格・特性曲線

