

5A Avg.

200 Volts

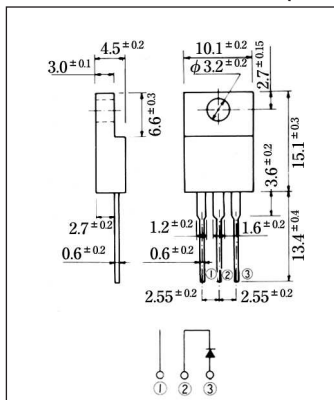
FRED

FSF05A20B

■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      | $V_{RRM}$         | 200  | V                                 |
| 非くり返しピーク逆電圧<br>Non-repetitive Peak Reverse Voltage | $V_{RSM}$         | 220  | 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                  | $T_c=122^\circ\text{C}$<br>5<br>A |
| 実効順電流<br>R.M.S. Forward Current                    | $I_F(\text{RMS})$ | 7.85   | A                                 |
| サージ順電流<br>Surge Forward Current                    | $I_{FSM}$         | 80 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<br>N·m                        |

■OUTLINE DRAWING(mm)



■APPROX. NET WEIGHT:1.75g

■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 | $I_{RM}$      | $T_j=25^\circ\text{C}$ , $V_{RM}=V_{RRM}$                                     | —    | —    | 20   | $\mu\text{A}$             |
| ピーク順電圧<br>Peak Forward Voltage | $V_{FM}$      | $T_j=25^\circ\text{C}$ , $I_{FM}=5\text{A}$                                   | —    | —    | 0.98 | V                         |
| 逆回復時間<br>Reverse Recovery Time | $t_{rr}$      | $I_{FM}=5\text{A}$ , $-di/dt=50\text{A}/\mu\text{s}$ , $T_j=25^\circ\text{C}$ | —    | —    | 35   | ns                        |
| 熱抵抗<br>Thermal Resistance      | $R_{th(j-c)}$ | 接合部・ケース間<br>Junction to Case  | —    | —    | 5    | $^\circ\text{C}/\text{W}$ |
|                                | $R_{th(c-f)}$ | ケース・フィン間<br>Case to Fin   | —    | —    | 1.5  | $^\circ\text{C}/\text{W}$ |

■定格・特性曲線

