

6A Avg.

600 Volts

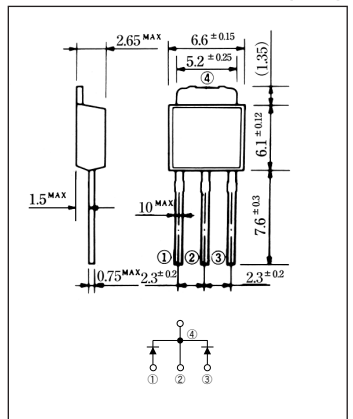
FRED

ECU06B60

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} | 600 | | 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 | $T_c=77^\circ\text{C}$ Tc: Case Temperature | 6.0 |
| | | | $T_a=25^\circ\text{C}^*$ | 1.1 |
| 実効順電流 R.M.S. Forward Current | $I_F(\text{RMS})$ | 6.66 | | A |
| サージ順電流 Surge Forward Current | I_{FSM} | 35 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 | | $^\circ\text{C}$ |
| 保存温度範囲 Storage Temperature Range | T_{stg} | -40~+150 | | $^\circ\text{C}$ |

OUTLINE DRAWING(mm)



APPROX. NET WEIGHT:0.35 g

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} | $T_j=25^\circ\text{C}$, $V_{RM}=V_{RRM}$ | — | — | 20 | μA |
| ピーク順電圧 Peak Forward Voltage | V_{FM} | $T_j=25^\circ\text{C}$, $I_{FM}=3\text{A}$ | — | 2.2 | 2.7 | V |
| 逆回復時間 Reverse Recovery Time | trr | $I_{FM}=3\text{A}$, $-di/dt=50\text{A}/\mu\text{s}$, $T_j=25^\circ\text{C}$ | — | 17 | 27 | ns |
| 熱抵抗 Thermal Resistance | $R_{th(j-a)}$ | 接合部・周囲間 Junction to Ambient | — | — | 80 | $^\circ\text{C}/\text{W}$ |
| | $R_{th(j-c)}$ | 接合部・ケース間 Junction to Case | — | — | 5 | $^\circ\text{C}/\text{W}$ |

* Soldering Lands = 2 × 3.5 mm Both Sides

定格・特性曲線

