

0.4A Avg.

600 Volts

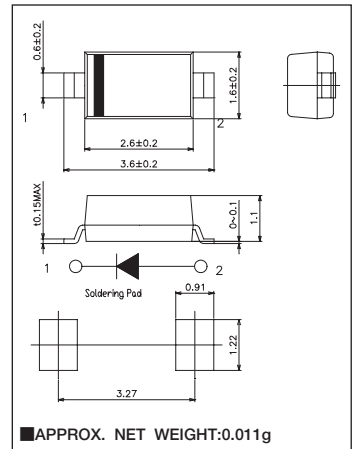
FRED

EP04RA60

■最大定格 Maximum Ratings (Ta=25°C : unless otherwise specified)

| Item   | Symbol            | Conditions  | Unit                                  |
|--|-------------------|---|---------------------------------------|
| くり返しピーク逆電圧<br>Repetitive Peak Reverse Voltage    | $V_{RRM}$         | 600   | 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                 | $T_j=108^\circ\text{C}$<br>0.4<br>A   |
|  |                   |   | $T_a=31^\circ\text{C}^*1$<br>0.3<br>A |
| 実効順電流<br>R.M.S. Forward Current                  | $I_F(\text{RMS})$ | 0.628   | A                                     |
| サージ順電流<br>Surge Forward Current                  | $I_{FSM}$         | 8 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                                    |

■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 | $I_{RM}$      | $T_j=25^\circ\text{C}, V_{RM}=V_{RRM}$                                    | —    | —    | 10   | $\mu\text{A}$ |
| ピーク順電圧<br>Peak Forward Voltage | $V_{FM}$      | $T_j=25^\circ\text{C}, I_{FM}=0.4\text{A}$                                | —    | —    | 1.32 | V             |
| 逆回復時間<br>Reverse Recovery Time | $t_{rr}$      | $I_{FM}=0.4\text{A}, -di/dt=50\text{A}/\mu\text{s}, T_a=25^\circ\text{C}$ | —    | —    | 40   | ns            |
| 熱抵抗<br>Thermal Resistance      | $R_{th(j-l)}$ | 接合部・リード間<br>Junction to Lead  | —    | —    | 70   | °C/W          |
|                                | $R_{th(j-a)}$ | 接合部・周囲間<br>Junction to Ambient *1   | —    | —    | 300  | °C/W          |

\*1: プリント基板実装 / Glass-Epoxy Substrate Mounted (Soldering Land=1×1mm, Both Sides)

■定格・特性曲線

