

3A Avg.

200 Volts

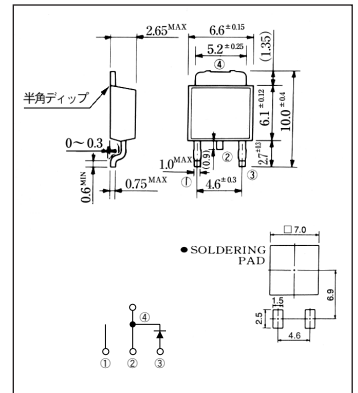
FRED

EA31FS2-F

■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} | 200 | V |
| 非くり返しピーク逆電圧 Non-Repetitive Peak Reverse Voltage | V_{RRM} | 220 | V |
| 平均整流電流 Average Rectified Forward Current | I_O | Ta=30°C | 1.7 A |
| | | Tc=129°C | 3 A |
| 実効順電流 R.M.S. Forward Current | $I_{F(RMS)}$ | 4.71 | A |
| サージ順電流 Surge Forward Current | I_{FSM} | 45 50Hz正弦半波, 1サイクル, 非くり返し 50Hz Half Sine Wave, 1cycle, Non-repetitive | A |
| 動作接合温度範囲 Operating Junction Temperature Range | T_{jw} | -40~+150 | °C |
| 保存温度範囲 Storage Temperature Range | T_{stg} | -40~+150 | °C |

■OUTLINE DRAWING(mm)



●SOLDERING PAD
APPROX. NET WEIGHT:0.30g

■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} | $T_j=25^\circ\text{C}, V_{RM}=V_{RRM}$ | — | — | 10 | μA |
| ピーク順電圧 Peak Forward Voltage | V_{FM} | $T_j=25^\circ\text{C}, I_{FM}=3\text{A}$ | — | — | 0.98 | V |
| 逆回復時間 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 Thermal Resistance | $R_{th(j-a)}$ | 接合部・周囲間 Junction to Ambient | — | — | 80 | °C/W |
| | $R_{th(j-c)}$ | 接合部・ケース間 Junction to Case | — | — | 6 | °C/W |

* Print Land =20×20 mm

■定格・特性曲線

