

1A Avg.

40 Volts

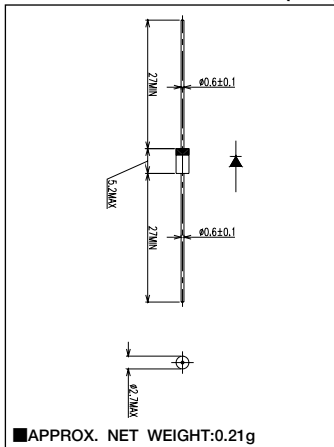
SBD

11EQ04

■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} | 40 | V |
| 非くり返しピーク逆電圧 Non-repetitive Peak Reverse Voltage | V_{RSM} | 45 | V |
| 平均整流電流 Average Rectified Forward Current | I_O | 50Hz、正弦半波通電抵抗負荷 50Hz Half Sine Wave Resistive Load | $T_a=25^{\circ}C$ *1 1.0 A |
| | | | $T_a=53^{\circ}C$ *2 1.0 A |
| 実効順電流 R.M.S. Forward Current | $I_{F(RMS)}$ | 1.57 | A |
| サージ順電流 Surge Forward Current | I_{FSM} | 40 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)



■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} | $T_j=25^{\circ}C, V_{RM}=V_{RRM}$ | — | — | 1 | mA |
| ピーク順電圧 Peak Forward Voltage | V_{FM} | $T_j=25^{\circ}C, I_{FM}=1A$ | — | — | 0.55 | V |
| 熱抵抗 Thermal Resistance | $R_{th(j-a)}$ | 接合部・周囲間 Junction to Ambient | 単体フィン無し*1 | | 140 | °C/W |
| | | | プリント基板実装*2 | | 105 | °C/W |

*1: 単体フィン無し/ Without Fin or P.C.Board

*2: プリント基板実装 / P.C. Board Mounted (L=8mm, Print Lands=10×10mm, Both Sides)

■定格・特性曲線

