

0.5A Avg.

60 Volts

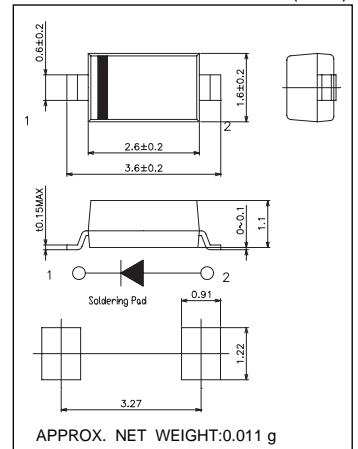
SBD

EP05Q06

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} | 60 | 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 | |
| | | $T_a = 25^*$ | 0.40 A |
| | | $T_l = 96$ | 0.5 A |
| 実効順電流 R.M.S. Forward Current | $I_{F(RMS)}$ | 0.785 | A |
| サージ順電流 Surge Forward Current | I_{FSM} | 8 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 | |
| 保存温度範囲 Storage Temperature Range | T_{stg} | -40 ~ +150 | |

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} | $T_j = 25, V_{RM} = V_{RRM}$ | - | - | 100 | μA |
| ピーク順電圧 Peak Forward Voltage | V_{FM} | $T_j = 25, I_{FM} = 0.5A$ | - | - | 0.62 | V |
| 熱抵抗 Thermal Resistance | $R_{th(j-a)}$ | 接合部・周囲間* Junction to Ambient* | - | - | 300 | /W |
| | $R_{th(j-l)}$ | 接合部・リード間 Junction to Lead | - | - | 70 | /W |

*プリント基板実装/Glass-Epoxy Substrate mounted (Soldering Lands= 1 x 1 mm, Both Sides)
(T_l : Lead Temperature)

定格・特性曲線

