

3A Avg.

40 Volts

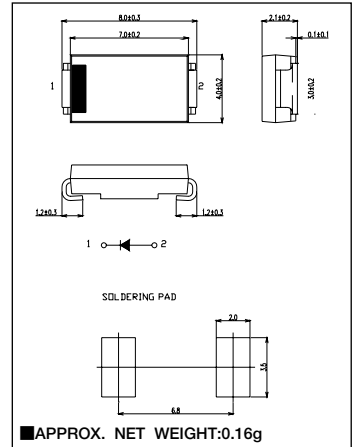
SBD

NSQ03A04

■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 |
| 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 | 1.62 3.0 |
| 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} | 80 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} | $T_j=25^{\circ}C, V_{RM}=V_{RRM}$ | — | — | 3 | mA |
| ピーク順電圧 Peak Forward Voltage | V_{FM} | $T_j=25^{\circ}C, I_{FM}=3A$ | — | — | 0.55 | V |
| 熱抵抗 Thermal Resistance | $R_{th(j-a)}$ | 接合部・周囲間 Junction to Ambient | — | — | 89 | °C/W |
| | $R_{th(j-l)}$ | 接合部・リード間 Junction to Lead | — | — | 13 | °C/W |

* Soldering Lands=2×3.5mm, Both Sides

■定格・特性曲線

