

30A Avg.

30 Volts

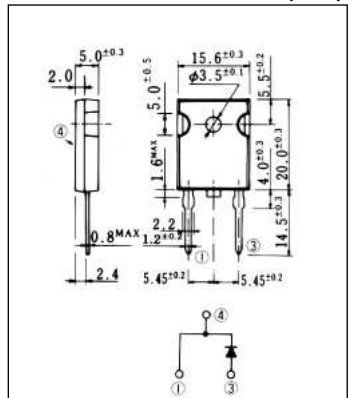
SBD

KSQ30A03L

最大定格 Maximum Ratings

| Item   | Symbol            | Conditions   | Unit                          |
|--|-------------------|--|-------------------------------|
| くり返しピーク逆電圧<br>Repetitive Peak Reverse Voltage    | $V_{RRM}$         | 30   | 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                      | $T_c=108^\circ\text{C}$<br>30 |
| 実効順電流<br>R.M.S. Forward Current                  | $I_F(\text{RMS})$ | 47.1   | A                             |
| サージ順電流<br>Surge Forward Current                  | $I_{FSM}$         | 400<br>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   | $^\circ\text{C}$              |
| 保存温度範囲<br>Storage Temperature Range              | $T_{stg}$         | -40~+150   | $^\circ\text{C}$              |
| 締付トルク<br>Mounting torque                         | $F_{tor}$         | 推奨値<br>Recommended Value   | 0.5 N·m                       |

OUTLINE DRAWING(mm)



APPROX. NET WEIGHT:5.5g

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 | $I_{RM}$      | $T_j=25^\circ\text{C}$ , $V_{RM}=V_{RRM}$ , 一素子あたり<br>Per Diode    | —    | —    | 25   | mA                 |
| ピーク順電圧<br>Peak Forward Voltage | $V_{FM}$      | $T_j=25^\circ\text{C}$ , $I_{FM}=30\text{A}$ , 一素子あたり<br>Per Diode | —    | —    | 0.50 | V                  |
| 熱抵抗<br>Thermal Resistance      | $R_{th(j-c)}$ | 接合部・ケース間<br>Junction to Case                                       | —    | —    | 1.3  | $^\circ\text{C/W}$ |

定格・特性曲線

