

3A Avg.

100 Volts

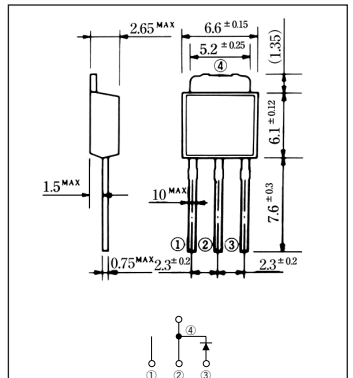
SBD

EA30QS10

■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    | $V_{RRM}$         | 100                                                                      | 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                   |                    |
|                                                  |                   | $T_a=34^{\circ}\text{C}$                                                 | 1.6 A              |
|                                                  |                   | $T_c=133^{\circ}\text{C}$                                                | 3.0 A              |
| 実効順電流<br>R.M.S. Forward Current                  | $I_F(\text{RMS})$ | 4.71                                                                     | A                  |
| サーージ順電流<br>Surge Forward Current                 | $I_{FSM}$         | 45 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 | $T_{jw}$          | $-40\sim+150$                                                            | $^{\circ}\text{C}$ |
| 保存温度範囲<br>Storage Temperature Range              | $T_{stg}$         | $-40\sim+150$                                                            | $^{\circ}\text{C}$ |

■OUTLINE DRAWING(mm)



■APPROX. NET WEIGHT:0.35g

■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 | $I_{RM}$      | $T_j=25^{\circ}\text{C}, V_{RM}=V_{RRM}$   | —    | —    | 1    | mA                          |
| ピーク順電圧<br>Peak Forward Voltage | $V_{FM}$      | $T_j=25^{\circ}\text{C}, I_{FM}=3\text{A}$ | —    | —    | 0.85 | V                           |
| 熱抵抗<br>Thermal Resistance      | $R_{th(j-a)}$ | 接合部・周囲間<br>Junction to Ambient             | —    | —    | 80   | $^{\circ}\text{C}/\text{W}$ |
|                                | $R_{th(j-c)}$ | 接合部・ケース間<br>Junction to Case               | —    | —    | 6    | $^{\circ}\text{C}/\text{W}$ |

\* Print Land=20×20mm

■定格・特性曲線

