

# 1.7A Avg. 100 Volts

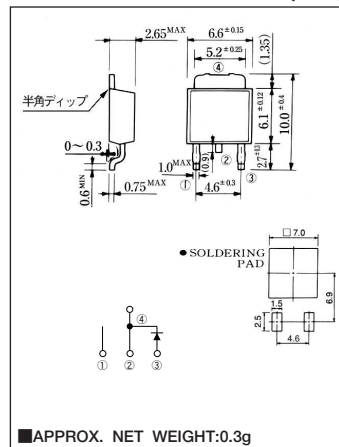
# SBD

# EA20QS10-F

## 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                   | $T_a=28^{\circ}C$<br>1.7<br>A  |
|  |            |  | $T_c=138^{\circ}C$<br>1.7<br>A |
| 実効順電流<br>R.M.S. Forward Current                  | $I_F(RMS)$ | 2.67   | A                              |
| サージ順電流<br>Surge Forward Current                  | $I_{FSM}$  | 40 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   | $^{\circ}C$                    |
| 保存温度範囲<br>Storage Temperature Range              | $T_{stg}$  | -40~+150   | $^{\circ}C$                    |

## 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<br>Peak Reverse Current | $I_{RM}$      | $T_j=25^{\circ}C, V_{RM}=V_{RRM}$ | —    | —    | 1    | mA            |
| ピーク順電圧<br>Peak Forward Voltage | $V_{FM}$      | $T_j=25^{\circ}C, I_{FM}=2A$      | —    | —    | 0.85 | V             |
| 熱抵抗<br>Thermal Resistance      | $R_{th(j-a)}$ | 接合部・周囲間<br>Junction to Ambient    | —    | —    | 80   | $^{\circ}C/W$ |
|                                | $R_{th(j-c)}$ | 接合部・ケース間<br>Junction to Case      | —    | —    | 7    | $^{\circ}C/W$ |

\* Print Land = 20 × 20mm

## 定格・特性曲線

