

3A Avg.

20 Volts

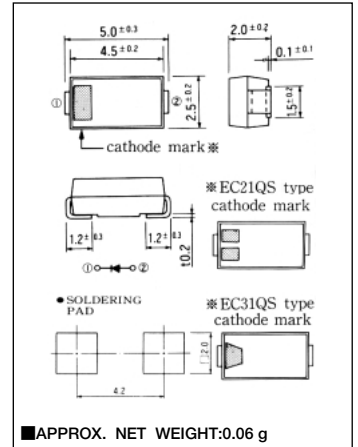
SBD

EC30LB02

■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} | 20 | V |
| 直流通電 Direct Forward Current | I_{DC} | $T_a=102^{\circ}\text{C}^*$ T:Lead Temperature | 3.0 A |
| | | $T_a=28^{\circ}\text{C}^*$ | 2.8 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~+125 | $^{\circ}\text{C}$ |
| 保存温度範囲 Storage Temperature Range | T_{stg} | -40~+125 | $^{\circ}\text{C}$ |

■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} | $T_j=25^{\circ}\text{C}, V_{RM}=V_{RRM}$ | — | — | 1 | mA |
| ピーク順電圧 Peak Forward Voltage | V_{FM} | $T_j=25^{\circ}\text{C}, I_{FM}=3.0\text{A}$ | — | — | 0.41 | V |
| 熱抵抗 Thermal Resistance | $R_{th(j-a)}$ | 接合部・周囲間 Junction to Ambient | — | — | 108 | $^{\circ}\text{C}/\text{W}$ |
| | $R_{th(j-l)}$ | 接合部・リード間 Junction to Lead | — | — | 23 | $^{\circ}\text{C}/\text{W}$ |

*プリント基板実装 / Alumina Substrate Mounted (Soldering Land=2×2mm, Both Sides)

■定格・特性曲線

