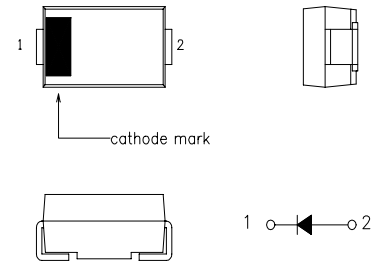


SBD Type : EC10LA03

FEATURES

- * Miniature Size, Surface Mount Device
- * Extremely Low Forward Voltage Drop
- * Low Power Loss, High Efficiency
- * High Surge Capability
- * 30 Volts through 100Volts Types Available
- * Packaged in 12mm Tape and Reel
- * Not Rolling During Assembly

OUTLINE DRAWING



Maximum Ratings

Approx Net Weight:0.06g

| Rating | Symbol | EC10LA03 | | Unit | |
|--------------------------------------|-----------|-------------|---|------------------|---|
| Repetitive Peak Reverse Voltage | V_{RRM} | 30 | | V | |
| Direct Forward Current | I_{dc} | 1.0 | $T_a=71\text{ }^\circ\text{C}$ *1 | Direct Current | A |
| | | 1.0 | $T_a=88\text{ }^\circ\text{C}$ *2 | | |
| Surge Forward Current | I_{FSM} | 25 | 50Hz Half Sine Wave, 1cycle Non-repetitive | | A |
| Operating Junction Temperature Range | T_{jw} | -40 to +125 | | $^\circ\text{C}$ | |
| Storage Temperature Range | T_{stg} | -40 to +125 | | $^\circ\text{C}$ | |

Electrical • Thermal Characteristics

| Characteristics | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|---|---------------|---|------|------|------|---------------------------|
| Peak Reverse Current | I_{RM} | $T_j= 25^\circ\text{C}$, $V_{RM}= V_{RRM}$ | - | - | 2 | mA |
| Peak Forward Voltage | V_{FM} | $T_j= 25^\circ\text{C}$, $I_{FM}= 1.0\text{A}$ | - | - | 0.39 | V |
| Thermal Resistance (Junction to Ambient) | $R_{th(j-a)}$ | Glass Epoxy Substrate Mounted*1 | - | - | 157 | $^\circ\text{C}/\text{W}$ |
| | | Alumina Substrate Mounted *2 | - | - | 108 | |

*1 Glass Epoxy Substrate Mounted

*2 Alumina Substrate Mounted

Soldering Lands=2x2mm, Both Sides

EC10LA03 OUTLINE DRAWING (Dimensions in mm)

