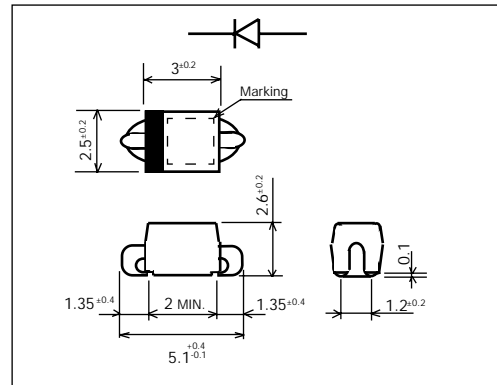


GENERAL USE RECTIFIER DIODE

■ Outline drawings



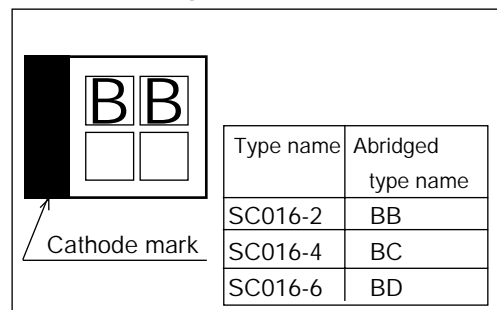
■ Features

- Surface-mount device
- High reliability

■ Applications

- General purpose rectifier applications
- Relay control use

■ Marking



■ Maximum ratings and characteristics

- Absolute maximum ratings

| Item | Symbol | Conditions | Rating | | | Unit |
|-------------------------------------|-----------|---|-------------|-----|-----|--------------------|
| | | | -2 | -4 | -6 | |
| Repetitive peak reverse voltage | V_{RRM} | | 200 | 400 | 600 | V |
| Non-repetitive peak reverse voltage | V_{RSM} | | 200 | 400 | 600 | V |
| Average output current | I_o | Resistive load $T_a=40^{\circ}\text{C}$ | 1.0 * | | | A |
| Surge current | I_{FSM} | Sine wave 10ms | 40 | | | A |
| Operating junction temperature | T_j | | -40 to +150 | | | $^{\circ}\text{C}$ |
| Storage temperature | T_{stg} | | -40 to +150 | | | $^{\circ}\text{C}$ |

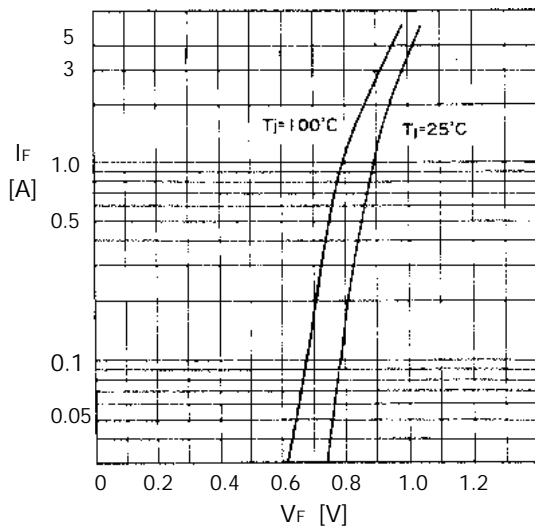
*Mounted to glass fabric base epoxy resin printed circuits, land (15mm x 15mm)

- Electrical characteristics ($T_a=25^{\circ}\text{C}$ Unless otherwise specified)

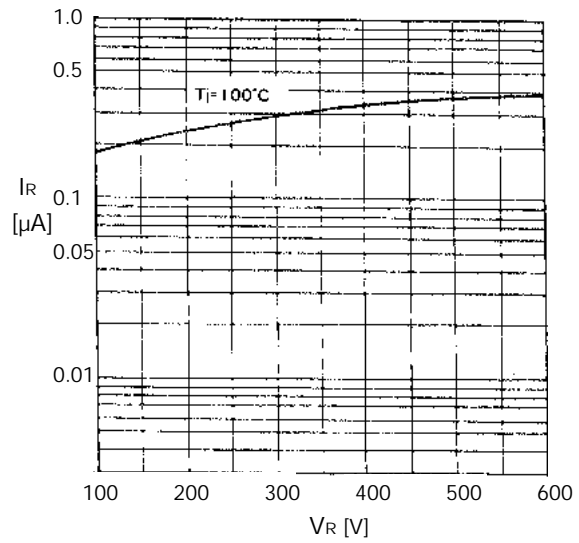
| Item | Symbol | Conditions | Max. | Unit |
|----------------------|---------------|----------------------|------|----------------------|
| Forward voltage drop | V_{FM} | $I_{FM}=2.0\text{A}$ | 1.1 | V |
| Reverse current | I_{RRM} | $V_R=V_{RRM}$ | 10 | μA |
| Thermal resistance | $R_{th(j-a)}$ | Junction to ambient | 120* | $^{\circ}\text{C/W}$ |

■ Characteristics

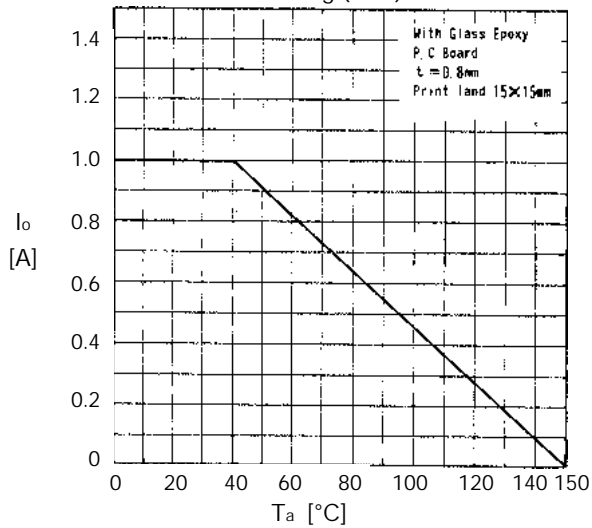
Forward characteristics



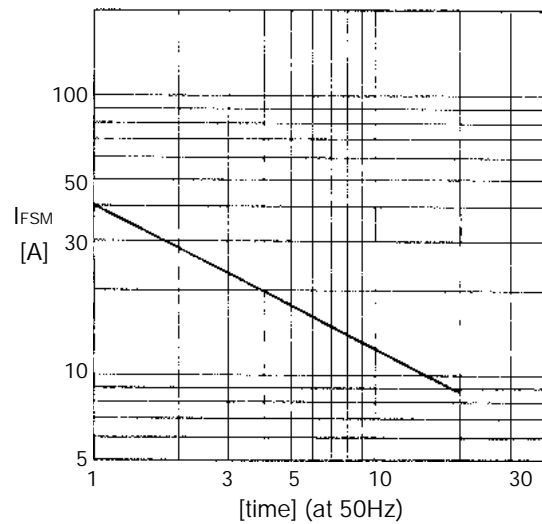
Reverse characteristics



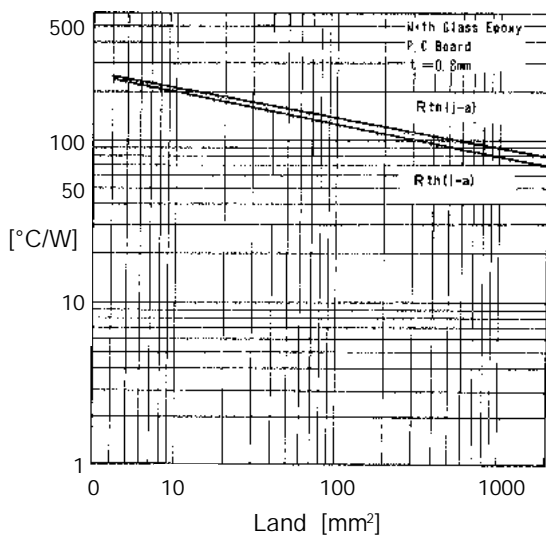
Current derating (I_o - T_a)



Surge capability



Thermal resistance print land



Transient thermal impedance

