



SB0030-04A

Schottky Barrier Diode

40V, 30mA Rectifier

Applications

- Small current rectification.

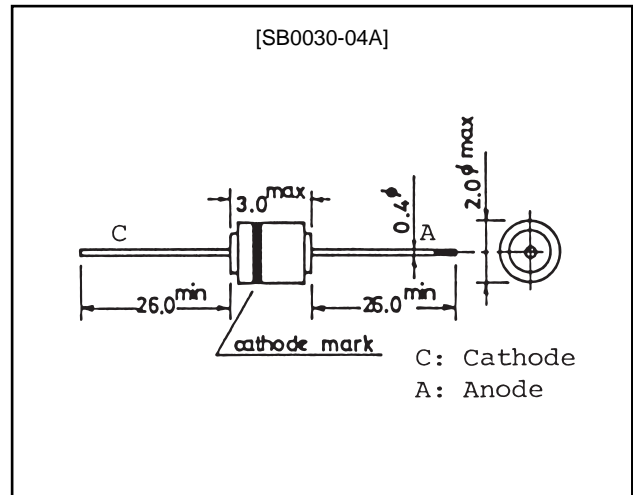
Features

- Glass-sleeve structure.
- Facilitating high-density mounting.

Package Dimensions

unit: mm

1114



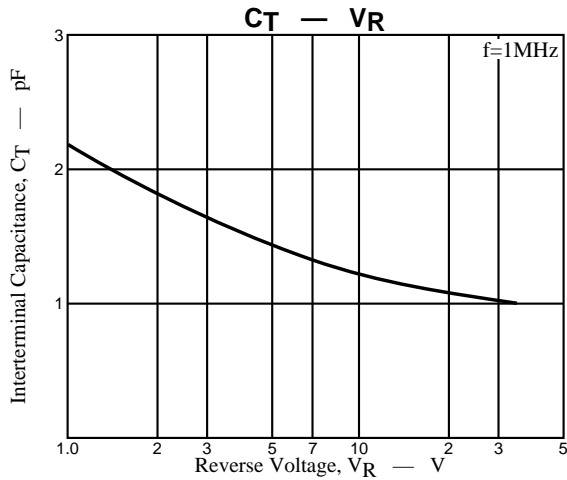
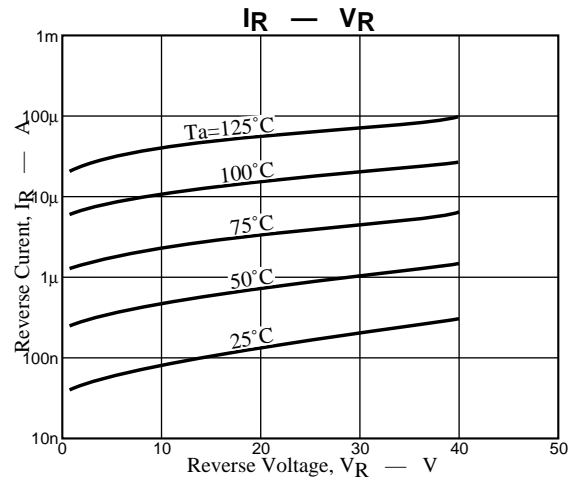
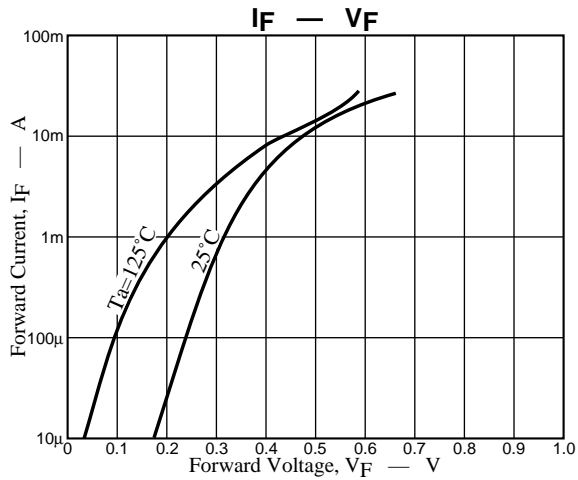
Absolute Maximum Ratings at Ta = 25 °C

| Parameter | Symbol | Conditions | Ratings | Unit |
|---------------------------|-----------|------------|-------------|------|
| Peak Reverse Voltage | V_{RM} | | 40 | V |
| Reverse Voltage | V_R | | 40 | V |
| Average Rectified Current | I_O | | 30 | mA |
| Junction Temperature | T_J | | 125 | °C |
| Storage Temperature | T_{stg} | | -55 to +125 | °C |

Electrical Characteristics Ta = 25 °C

| Parameter | Symbol | Conditions | Ratings | | | Unit |
|---------------------------|--------|----------------------|---------|-----|------|------|
| | | | min | typ | max | |
| Forward Voltage | V_F | $I_F=1$ mA | | | 0.37 | V |
| Reverse Current | I_R | $V_R=25$ V | | | 0.5 | μA |
| Interterminal Capacitance | C_T | $V_R=1$ V, $f=1$ MHz | | 2.0 | | pF |

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