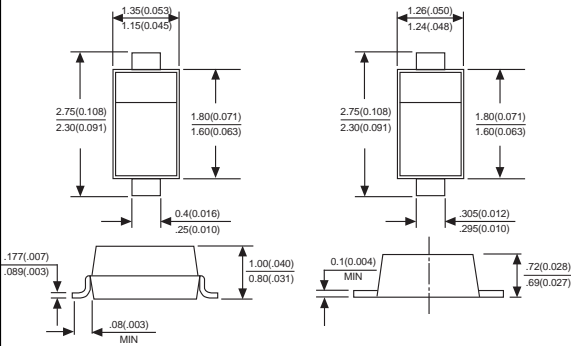




BAT60B

SCHOTTKY DIODES

SOD-323



Dimensions in millimeters and (inches)

FEATURES

- ◆ Low voltage, low inductance
- ◆ High current rectifier schottky diode with low VF drop
- ◆ For power supply
- ◆ For detection and step-up-conversion

MECHANICAL DATA

Case: Molded plastic body

Terminals: Plated leads solderable per MIL-STD-750, Method 2026

Polarity: Polarity symbols marked on case

Marking: W5

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Maximum ratings and electrical characteristics, Single diode @ $T_A=25^\circ\text{C}$

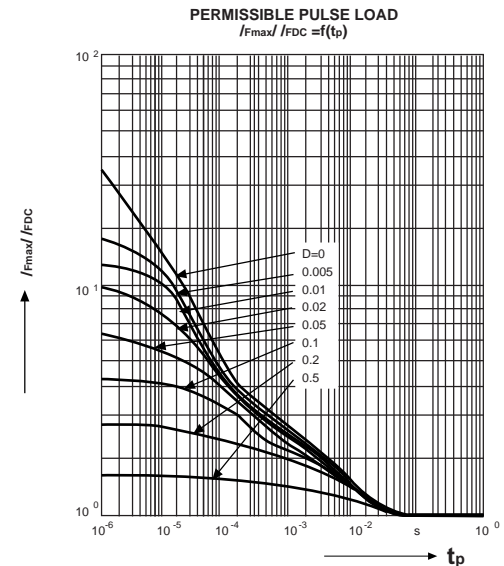
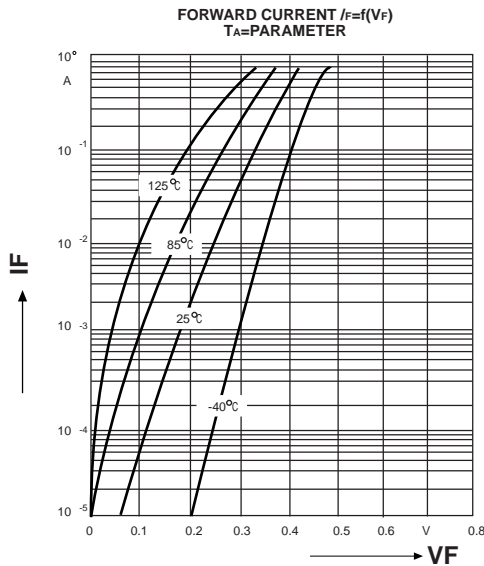
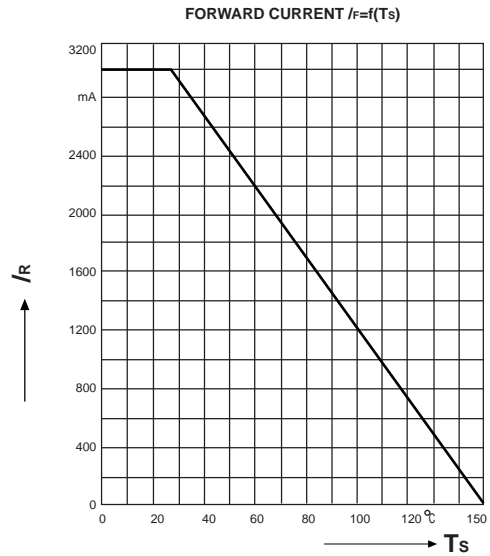
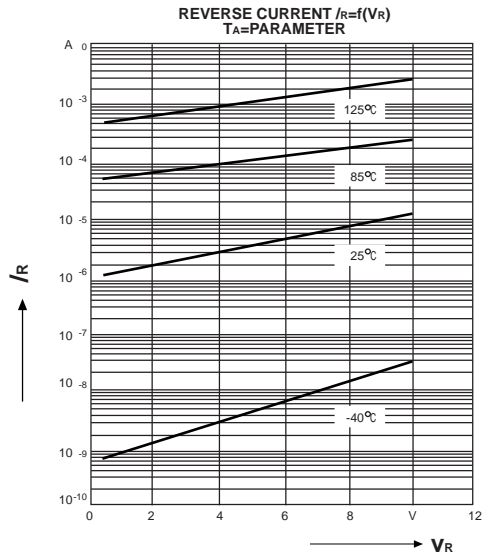
| PARAMETER | SYMBOLS | LIMITS | UNITS |
|--|-----------|-------------|------------------|
| Forward current | I_{FM} | 3 | A |
| Forward surge current $t_p=10\text{ms}$ | I_{FSM} | 5 | A |
| Power dissipation $T_c=25^\circ\text{C}$ | P_{tot} | 250 | mW |
| Junction temperature | T_j | 150 | $^\circ\text{C}$ |
| Storage temperature | T_{STG} | -65 to +150 | $^\circ\text{C}$ |
| Non-Repetitive peak reverse voltage | V_{RM} | 10 | V |

Electrical ratings @ $T_A=25^\circ\text{C}$

| PARAMETER | SYMBOLS | Min. | Typ. | Max. | Unit | Conditions |
|-------------------------------|---------|------|------|------|------|----------------------------------|
| Forward voltage | V_F | | | 300 | mV | $I_F=10\text{mA}$ |
| | | | | 380 | | $I_F=100\text{mA}$ |
| | | | | 500 | | $I_F=500\text{mA}$ |
| | | | | 600 | | $I_F=1000\text{mA}$ |
| Reverse current | I_R | | | 15 | uA | $V_R=5\text{V}$ |
| | | | | 25 | | $V_R=8\text{V}$ |
| Capacitance between terminals | C_T | | | 30 | pF | $V_R=5\text{V}, f=1.0\text{MHz}$ |

MDD ELECTRONIC

RATINGS AND CHARACTERISTIC CURVES BAT60B



RATINGS AND CHARACTERISTIC CURVES BAT60B

