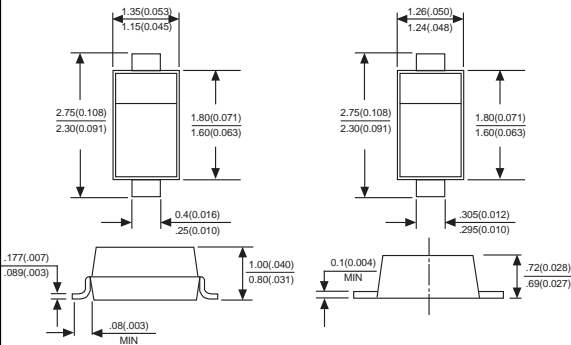




# BAT60B

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

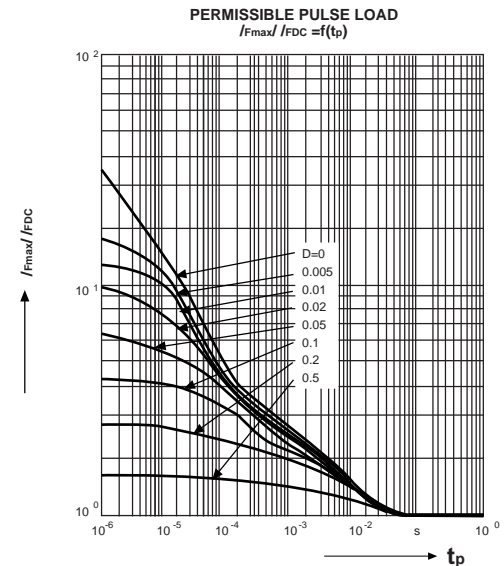
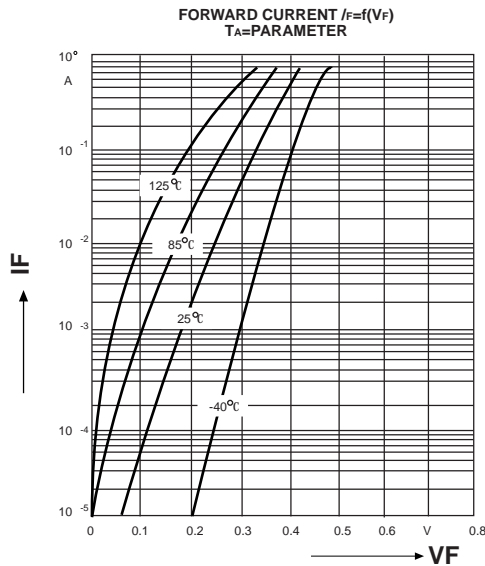
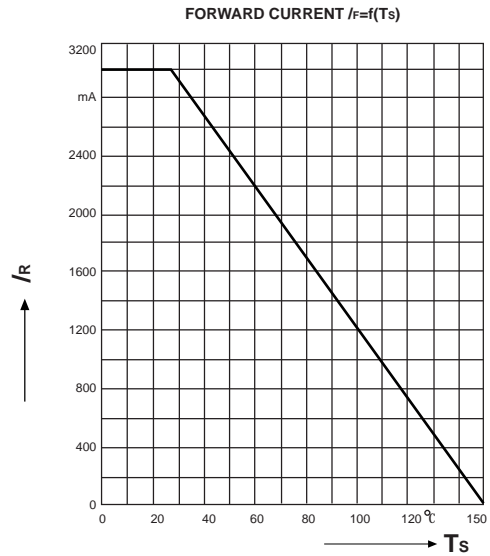
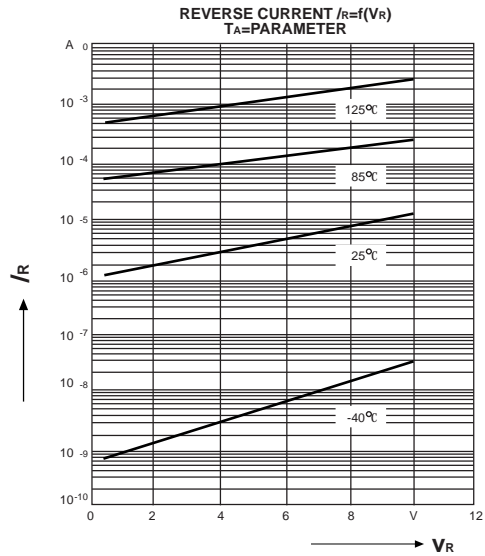
PARAMETER	SYMBOLS	LIMITS	UNITS
Forward current	$I_{FM}$	3	A
Forward surge current $t_p=10\text{ms}$	$I_{FSM}$	5	A
Power dissipation $T_c=25^\circ\text{C}$	$P_{tot}$	250	mW
Junction temperature	$T_j$	150	$^\circ\text{C}$
Storage temperature	$T_{STG}$	-65 to +150	$^\circ\text{C}$
Non-Repetitive peak reverse 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	$V_R=5\text{V}, f=1.0\text{MHz}$

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# RATINGS AND CHARACTERISTIC CURVES BAT60B



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# RATINGS AND CHARACTERISTIC CURVES BAT60B

