

BAT60B

SCHOTTKY DIODES

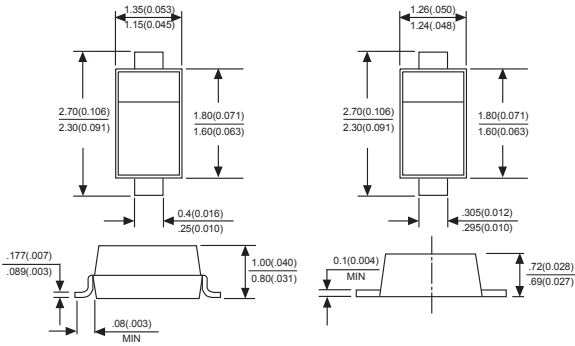
SOD-323

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



Dimensions in millimeters and (inches)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

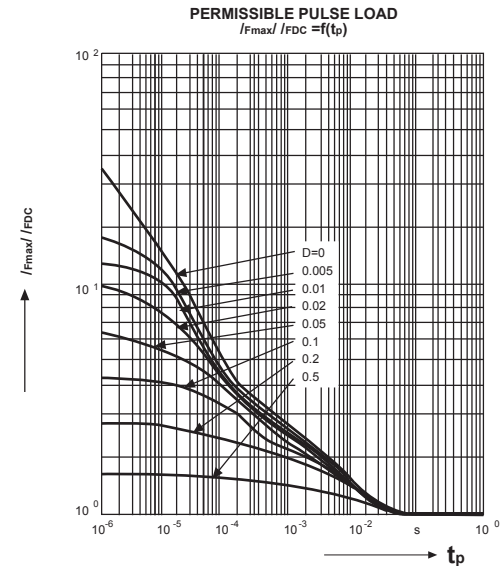
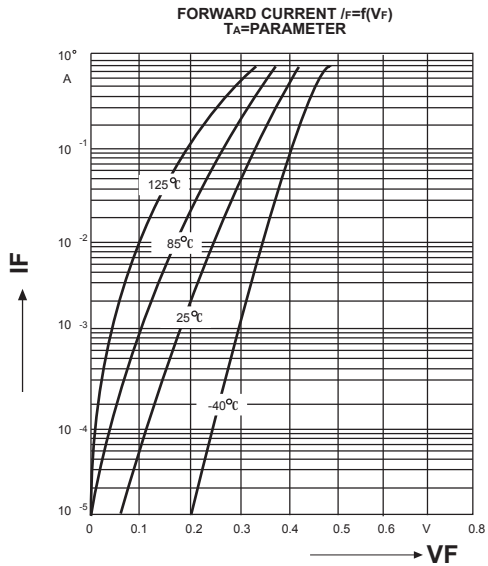
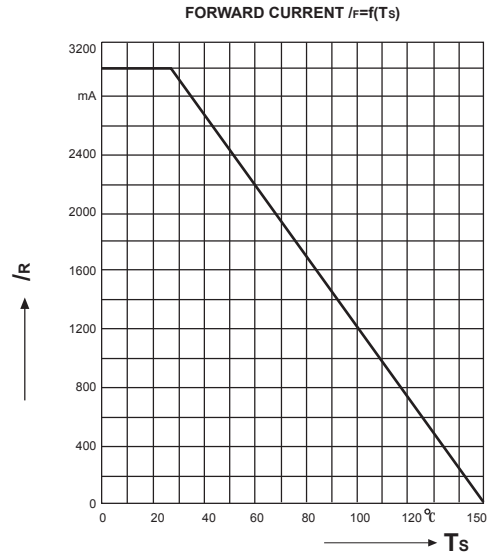
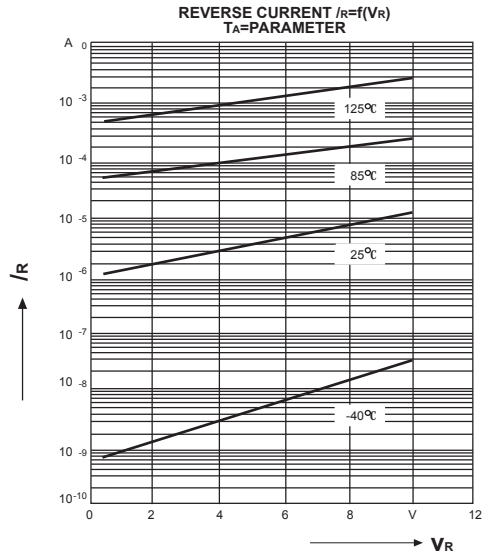
Maximum ratings and electrical characteristics, Single diode @ $T_A=25^\circ\text{C}$

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	$V_R=5\text{V}, f=1.0\text{MHz}$

RATINGS AND CHARACTERISTIC CURVES BAT60B



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