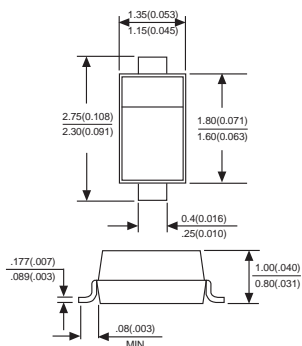


BAT60B

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°C

PARAMETER	SYMBOLS	LIMITS	UNITS
Forward current	I _{FM}	3	A
Forward surge current tp=10ms	I _{FSM}	5	A
Power dissipation T _c =25°C	P _{tot}	250	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{STG}	-65 to +150	°C
Non-Repetitive peak reverse voltage	V _{RM}	10	V

Electrical ratings @T_A=25°C

PARAMETER	SYMBOLS	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F			300	mV	I _F =10mA
				380		I _F =100mA
				500		I _F =500mA
				600		I _F =1000mA
Reverse current	I _R			15	uA	V _R =5V
				25		V _R =8V
Capacitance between terminals	C _T			30	pF	V _R =5V, f=1.0MHz

RATINGS AND CHARACTERISTIC CURVES BAT60B

