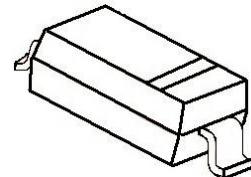


BAT60B

Schottky Barrier Diode

General description

SOD-323 Schottky Barrier Diode



SOD-323 Package

FEATURES

- High Current Rectifier Schottky Diode with Low VF Drop
- Low Voltage, Low Inductance
- For Detection and Step-up-Conversion
- SOD-323 Small Outline Plastic Package
- Epoxy UL: 94V-0

Marking: W5

Maximum Ratings & Thermal Characteristics

(Ratings at 25°C ambient temperature unless otherwise specified.)

Parameters	Symbol	Value	Unit
DC Blocking voltage	VR	10	V
Forward current	IF	3	A
Peak forward surge current 8.3 ms single half sine-wave	IFSM	5	A
Typical thermal resistance	R _{θJA}	286	°C/W
Power Dissipation	PD	350	mW
Operating junction temperature	T _j	125	°C
Storage temperature range	T _{STG}	-65-+150	°C

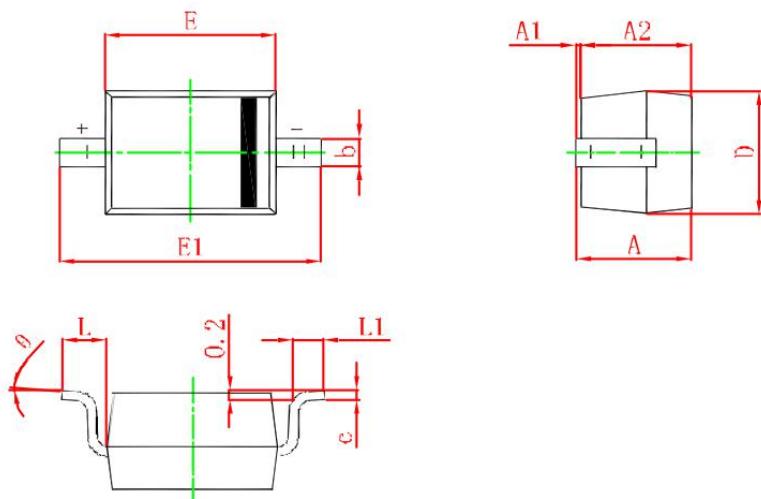
Electrical Characteristics

(Ratings at 25°C ambient temperature unless otherwise specified).

Parameters	Symbol	Test conditions	MAX.	Unit
Maximum forward voltage	V _F	IF = 100mA IF = 500mA IF = 1000mA	0.38 0.50 0.60	V
Maximum reverse breakdown voltage	V(BR)	IR=1mA	10	V
Maximum reverse current T _j =25 °C	IR	VR=5V VR=8V	15 25	uA
Total capacitance	C _{tot}	VR = 5.0V, f = 1MHz	30	pF

BAT60B

SOD-323 PACKAGE OUTLINE Plastic surface mounted package



Symbol	Min.(mm)	Max.(mm)
A		1.000
A1	0.000	0.100
A2	0.800	0.900
b	0.250	0.350
c	0.080	0.150
D	1.200	1.400
E	1.600	1.800
E1	2.500	2.700
L	0.475REF	
L1	0.250	0.400
θ	0°	8°

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