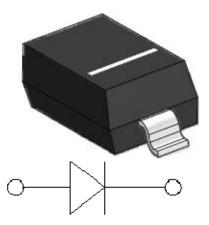
Small Signal Schottky Diode



Features

- V_R 100V
- I_{FAV} 150mA

Mechanical Data

- Package: SOD-323
- Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity: Cathode line denotes the cathode end
- Marking: S9

■Maximum Ratings (Ta=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Repetitive peak reverse voltage	V _{RRM}	V		100
Non-Repetitive Peak Forward Surge Current	I _{FSM}	mA	t _p =8.3ms	750
Average forward current	I _{FAV}	mA		150
Power dissipation	P _D	mW		200
Thermal Resistance From Junction To Ambient	R _{thJA}	°C/W		625
Junction temperature	Tj	°C		125
Storage temperature range	T _{stg}	°C		-55 to +150

Electrical Characteristics (T_a=25 $^{\circ}$ C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Maximum Forward voltage	V _F	V	I _F =0.1mA	0.25
		V	I _F =10mA	0.45
	V		I _F =250mA	1
		uA	V _R =1.5V	0.3
Maximum Reverse current	I _R	uA	V _R =10V	0.5
		uA	V _R =50V	1
		uA	V _R =75V	2
Minimum Breakdown voltage	V _R	V	I _R =100μΑ	100
Maximum Diode capacitance	_	- 5	V _R =0V, f=1MH _z	20
	CD	pF	V _R =1V, f=1MH _z	12

RoHS

COMPLIANT

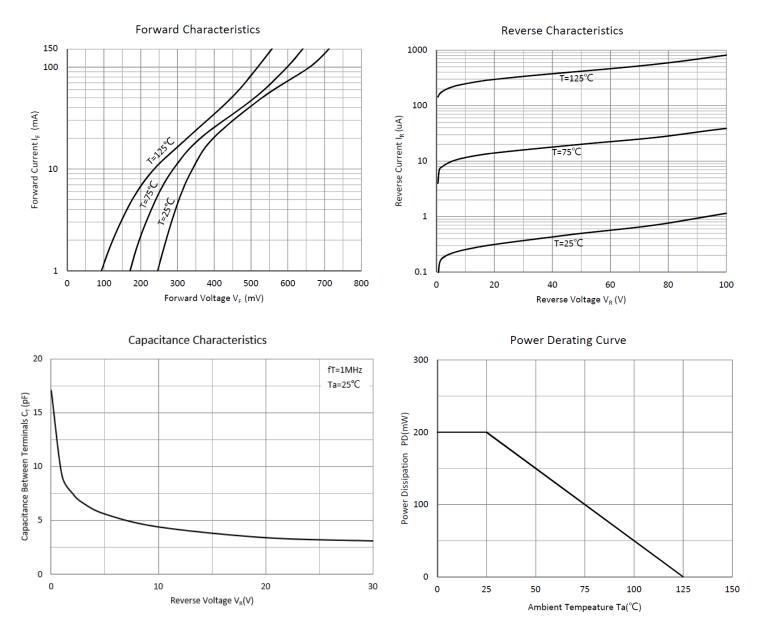


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Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAT46WS	F2	Approximate 0.004	3000	30000	120000	7" reel

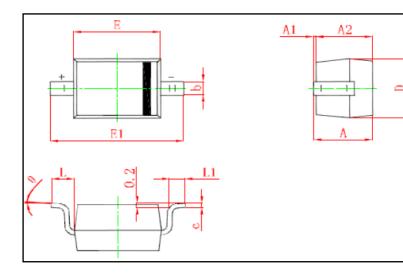
Characteristics (Typical)



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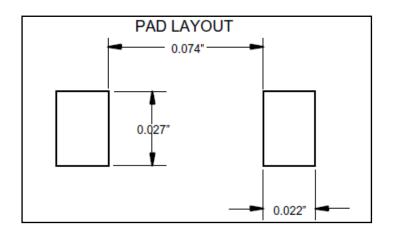


SOD-323 Package Outline Dimensions



Symbo1	Min. (mm)	Max. (mm)	
A		1.000	
A1	0.000	0.100	
A2	0.800	0.900	
b	0. 250	0. 400	
с	0.080	0. 150	
D	1.200	1. 400	
Е	1.600	1.800	
E1	2. 500	2.700	
L	0. 475REF		
L1	0.250	0. 400	
θ	0°	8°	

■ SOD-323 Soldering Footprint



Unit: inches

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BAT46WS

Disclaimer

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