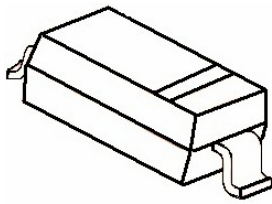


SOD323



MARKING:   BAV19WS: A8  
               BAV20WS: T2  
               BAV21WS: T3

### Features

- Fast Switching Device (TRR <50nS)
- Power Dissipation of 250mW
- High Stability and High Reliability
- Low reverse leakage

### Mechanical Data

- SOD-323 Small Outline Plastic Package
- Color band denotes cathode end
- Mounting Position: Any

## Maximum Ratings & Thermal Characteristics

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

Parameters	Symbol	Value			Unit
		BAV19WS	BAV20WS	BAV21WS	
Reverse Voltage	VR	120	200	250	V
Peak Reverse Voltage	VRM	100	150	250	V
Power Dissipation	Pd	250			mW
Operating junction temperature	Tj	150			°C
Storage temperature range	Ts	-65-+150			°C
Working Inverse Voltage	WIV	75			V
Average Rectified Current	IO	200			mA
Non-repetitive Peak Forward Current	IFM	400			mA
Peak Forward Surge Current @tp=1ms; TA=25°C	IFSM	1.7			A

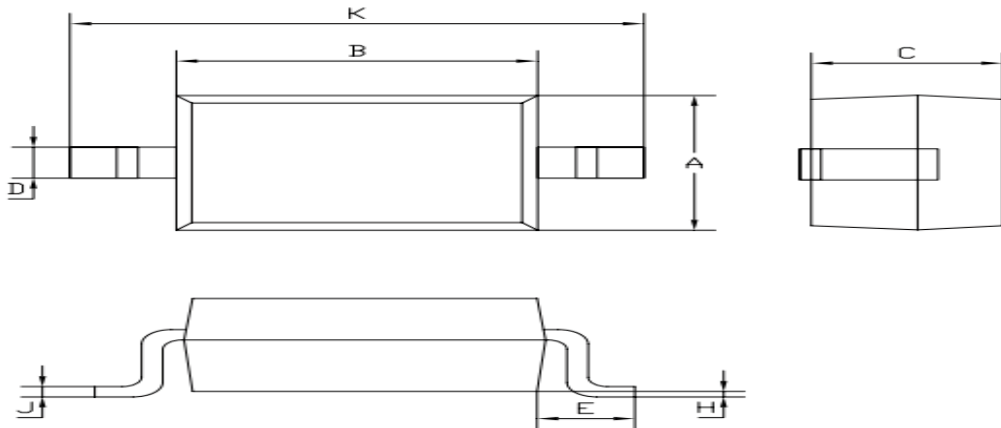
Valid provided that electrodes are kept at ambient temperature.

## Electrical Characteristics

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

Symbols	Parameter	Test Condition	Limits		Unit
			Min	Max	
VRB	Reverse Voltage	IB=100uA BAV19WS	120	---	V
		BAV20WS	200		
		BAV21WS	250		
IR	Reverse Leakage Current	VR=100V BAV19WS	---	0.1	uA
		VR=150V BAV20WS			
		VR=200V BAV21WS			
VF	Forward Voltage	IF=100mA	---	1.00	V
		IF=200mA	---	1.25	
TRR	Reverse Recovery Time	IF= 30mA, IR=30mA RL=100Ω IRR=3mA	---	50	nS
C	Capacitance	VR=0V, f=1MHZ	---	5	pF

SOD-323 PACKAGE OUTLINE



SOD-323		
Dim	Min	Max
A	1.275	1.325
B	1.675	1.725
C	0.9 Typical	
D	0.25	0.35
E	0.27	0.37
H	0.02	0.1
J	0.1 Typical	
K	2.6	2.7