

Features

- Low Reverse Current
- Surface Mount Package Ideally Suited for Automatic Insertion
- Fast Switching Speed
- For General Purpose Switching Applications



SOD-323



Equivalent Circuit

Absolute Maximum Ratings(T_A=25℃)

Symbol	Parameter	Value	Uniat
V _{RM}	Non-Repetitive Peak Reverse Voltage	250	V
V _{RRM}	Peak Repetitive Reverse Voltage	200	V
V _{RWM}	Working Peak Reverse Voltage		
V _{R(RMS)}	RMS Reverse Voltage	141	V
I _O	Average Rectified Output Current	200	mA
I _{FSM}	Non-repetitive Peak Forward Surge Current @ t=8.3ms	2.0	A
P _d	Power Dissipation	250	mW
R _{θJA}	Thermal Resistance From Junction To Ambient	500	℃/W
T _J	Operating Junction Temperature Range	150	℃
T _{stg}	Storage Temperature Range	-55~+150	℃

Electrical Characteristics (T_A=25℃ unless otherwise specified)

Symbol	Parameter	Test conditions	Min	Max	Unit
I _R	Reverse current	V _R =200V		0.1	μA
V _F	Forward voltage	I _F =100mA		1	V
		I _F =200mA		1.25	V
C _{tot}	Total capacitance	V _R =0V, f=1MHz		5	pF
t _{rr}	Reverse recovery time	I _F =I _R =30mA, I _{rr} =0.1×I _R , R _L =100Ω		50	nS

Ordering information

Product ID	Marking	Naming rule	Pack	Qty(PCS)
BAV21WS	T3	BAV21WS 产品名称 product name	SOD-323	3000

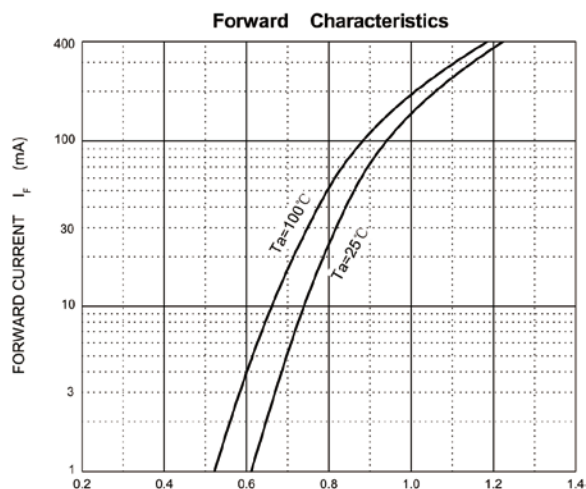


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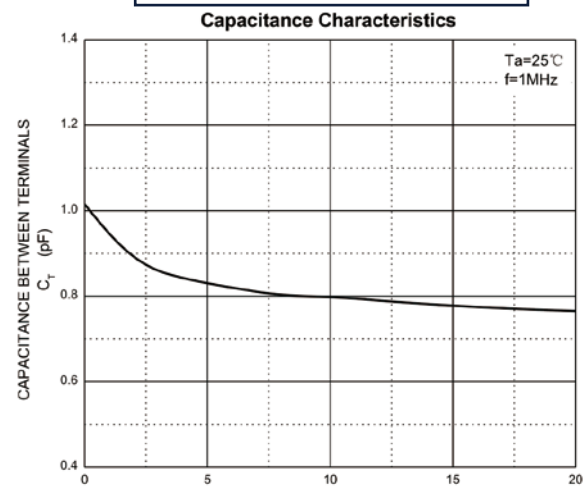
TL-BAV21WS

SOD-323 SCHOKKTY BARRIER DIODE

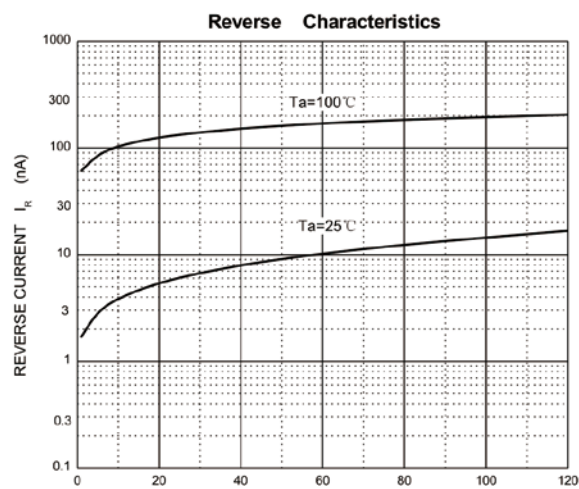
Typical Characteristics



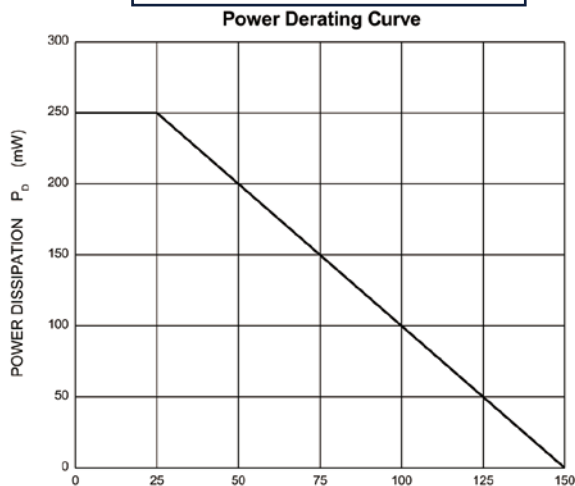
FORWARD VOLTAGE V_F (V)



REVERSE VOLTAGE V_R (V)



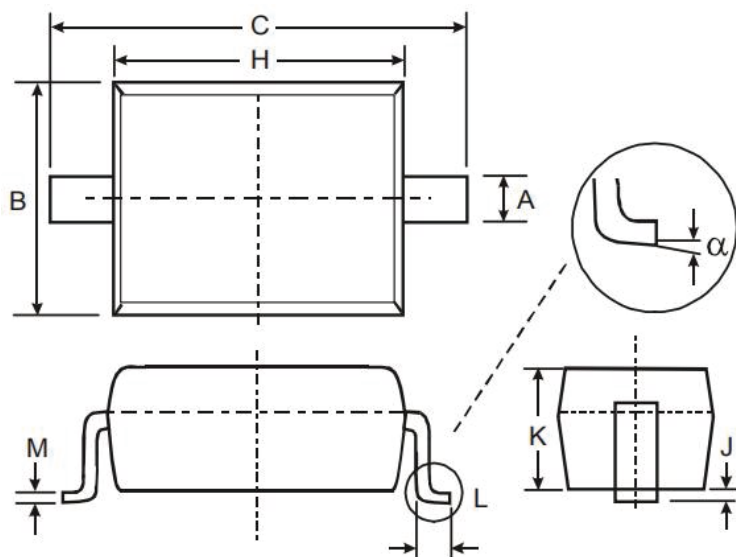
REVERSE VOLTAGE V_R (V)



AMBIENT TEMPERATURE T_a (°C)

Package Outline Dimensions

SOD323



SYMBOL	MILLIMETERS	
	MIN	MAX
A	0.25	0.35
B	1.20	1.40
C	2.40	2.70
H	1.60	1.80
J	0.01	0.15
K	0.80	1.00
L	0.20	0.40
M	0.08	0.15
α	0°	8°

Soldering Footprint (mm)

