

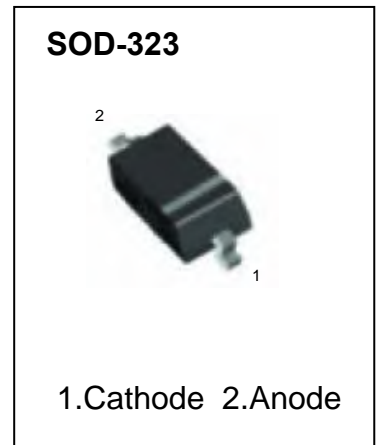


BAV21WS

Features

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

Marking: T3



Maximum Ratings (T_a=25°C unless otherwise noted)

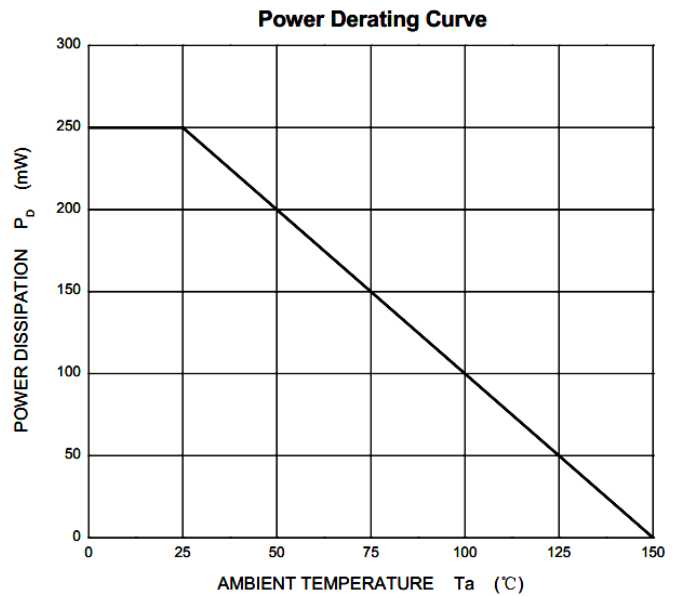
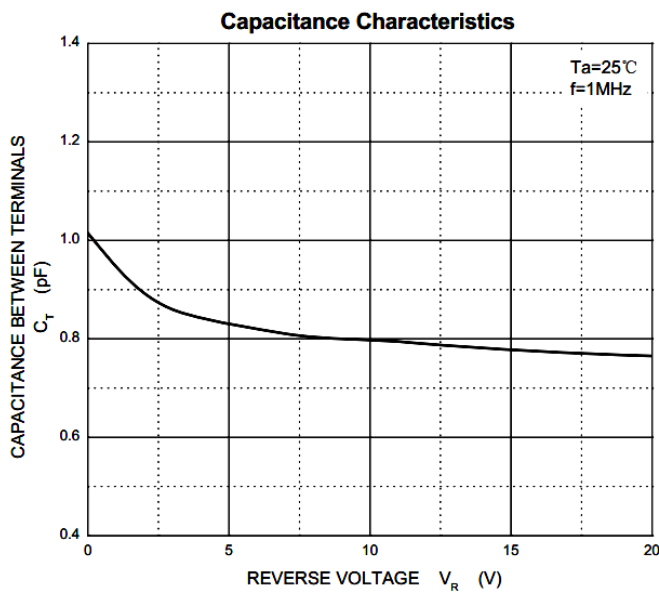
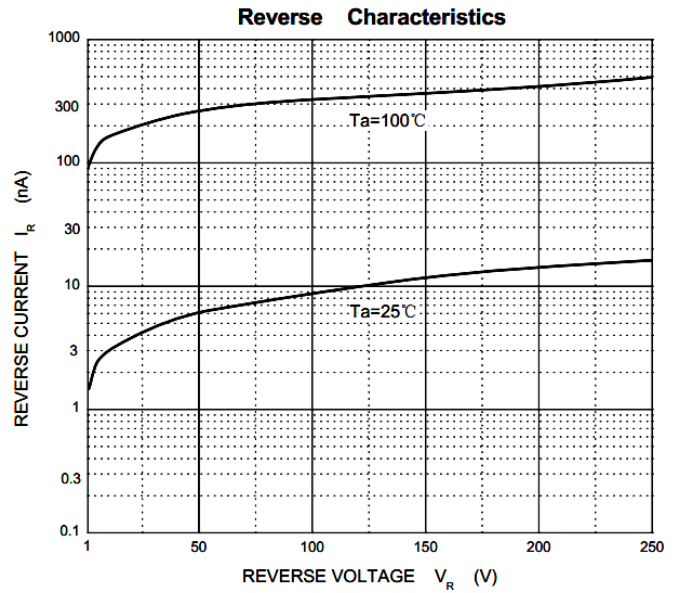
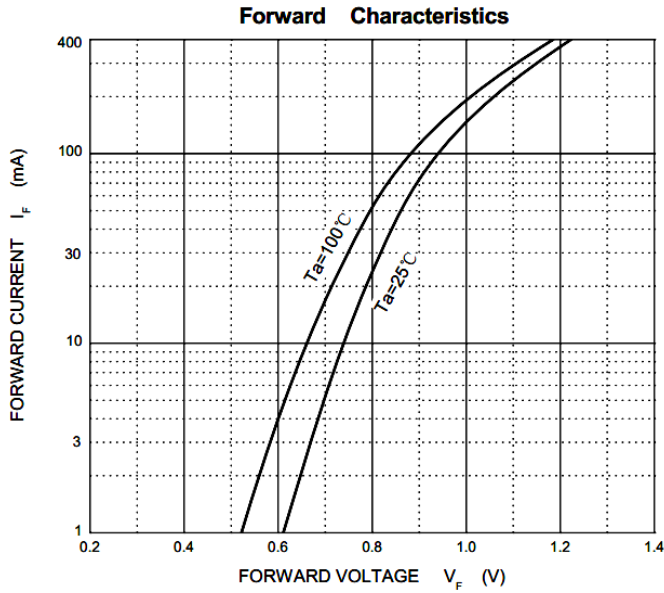
Symbol	Parameter	Value	Unit
V _{RM}	Non-Repetitive Peak Reverse Voltage	250	V
V _{RRM}	Peak Repetitive Peak Reverse Voltage	200	V
V _{RWM}	Working peak reverse voltage		V
V _{R(RMS)}	RMS reverse voltage	141	V
I _O	Average Rectified Output Current	200	mA
I _{FSM}	Non-Repetitive Peak Forward Surge Current @ t=8.3ms	2.0	A
P _D	Power Dissipation	250	mW
R _{θJA}	Thermal Resistance from Junction to Ambient	500	°C/W
T _j	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55~+150	°C

Electrical Characteristics (T_a=25°C unless otherwise specified)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
V _(BR)	Reverse breakdown voltage	I _R = 100μA	250			V
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



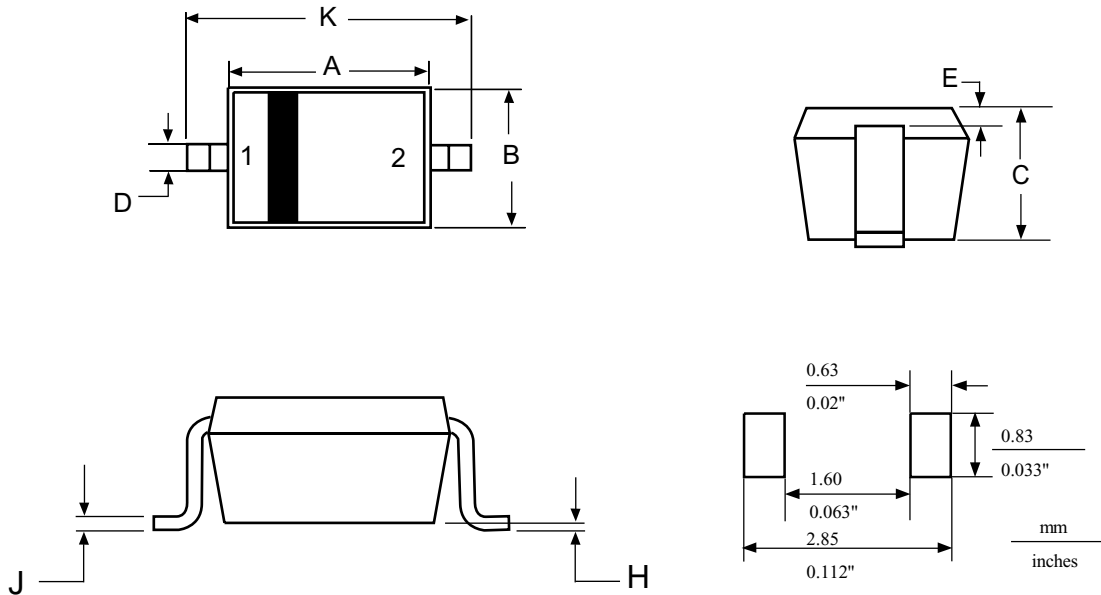
Typical Characteristics





PACKAGE OUTLINE
SOD-323

unit:mm



DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	1.60	1.80	0.063	0.071
B	1.15	1.35	0.045	0.053
C	0.80	1.00	0.031	0.039
D	0.25	0.40	0.010	0.016
E	0.15 REF		0.006 REF	
H	0.00	0.10	0.000	0.004
J	0.089	0.177	0.0035	0.0070
K	2.30	2.70	0.091	0.106

PIN: 1. CATHODE
2. ANODE

