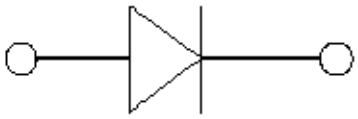
RoHS
COMPLIANT

BAS321

Small-Signal Switching Diodes





Features

- VR 200V
- I_{FAV} 200mA

Typical Applications

- Extreme fast switches

Mechanical Data

- **Package**: SOD323
- **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end
- **Marking:** T3

■Maximum Ratings (Ta=25℃ Unless otherwise specified）

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Repetitive peak reverse voltage	V_{RRM}	V		250
Reverse Voltage	V_R	V		200
Non-Repetitive Peak Forward Surge Current	I_{FSM}	A	t=8.3ms, Half sine-wave	2
Average forward current	I_{FAV}	mA		200
Power dissipation	P_D	mW		250
Junction temperature	T_j	℃		150
Storage temperature range	T_{stg}	℃		-55 to +150

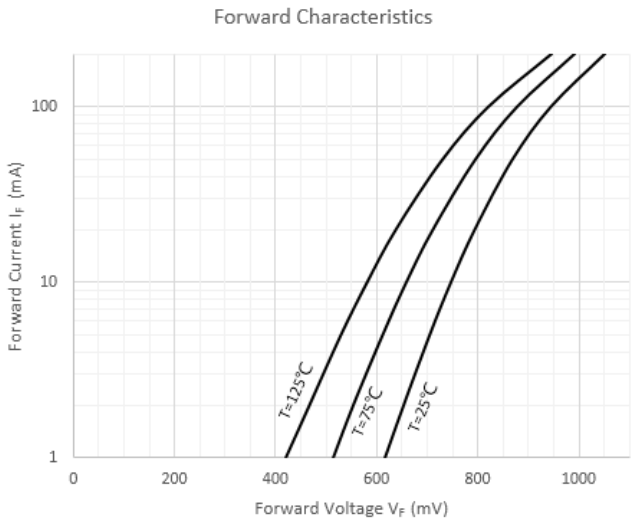
■Electrical Characteristics（T_a=25℃ Unless otherwise specified）

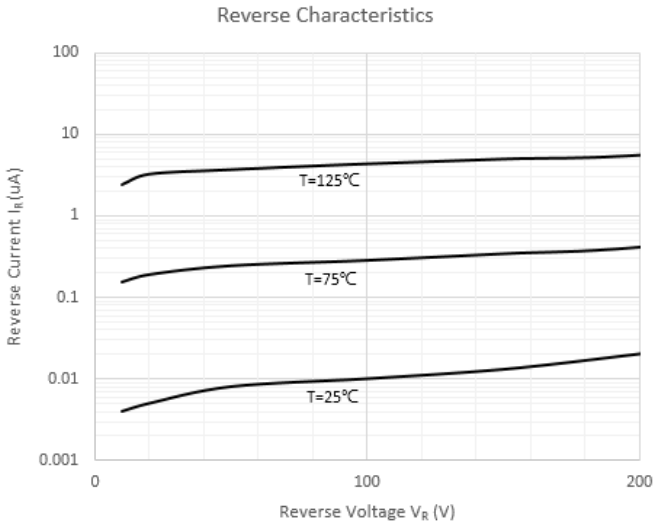
PARAMETER	SYMBOL	UNIT	Conditions	Min	Max
Maximum Forward voltage	VF	V	I_F=100mA		1.0
			I_F=200mA		1.25
Maximum Reverse current	IR	nA	VR=200V		100
Minimum Breakdown voltage	V_R	V	I_R=10uA	200	
Maximum Diode capacitance	C_D	pF	V_R=0V, f =1MHz		5
Maximum Reverse recovery time	t_{rr}	ns	IF=IR=30 mA,RL=100Ω,IRR=3mA		50

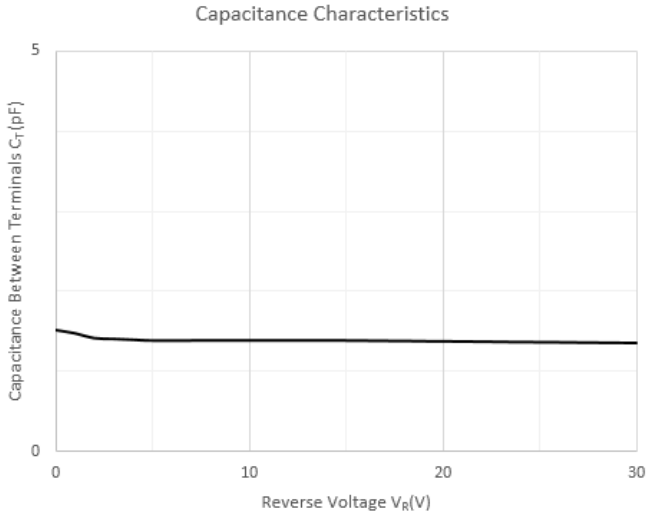
■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAS321	F2	Approximate 0.004	3000	30000	120000	7" reel

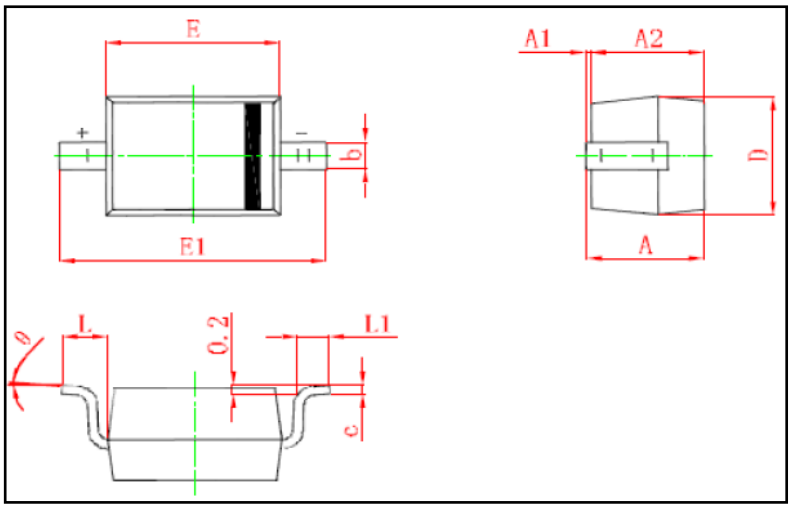
■Characteristics(Typical)





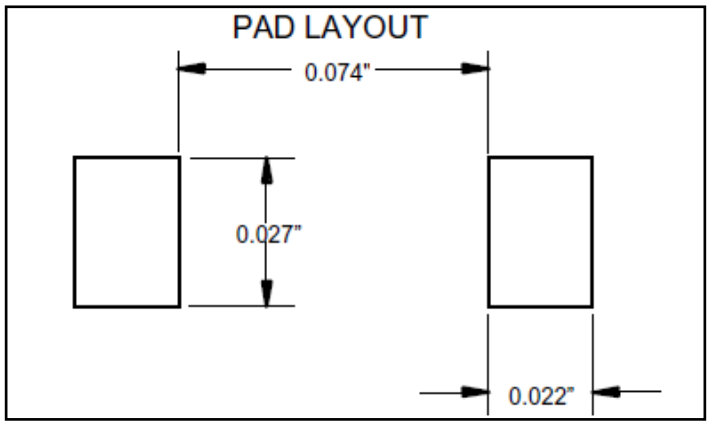


■ SOD-323 Package Outline Dimensions



Symbol	Min. (mm)	Max. (mm)
A		1.000
A1	0.000	0.100
A2	0.800	0.900
b	0.250	0.400
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°

■ SOD-323 Soldering Footprint



Unit：inches

Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

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