



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 Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	Conditions	Min	Max
Maximum Forward voltage	V _F	V	I _F =100mA		1.0
			I _F =200mA		1.25
Maximum Reverse current	I _R	nA	V _R =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	I _F =I _R =30 mA,RL=100 ,IRR=3mA		50

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v2XWOLQH 'LPHQVLRQV

v6ROGHULQJ)RRWSULQW



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