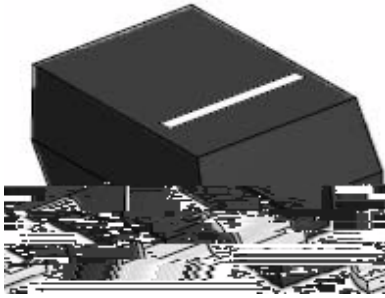


High Speed Switching Diode



Features

V_R 30

Typical Applications

Extreme fast switches

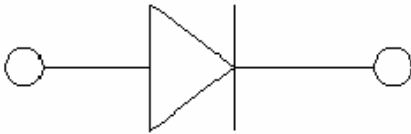
Mechanical Data

Package: SOD-323

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Polarity: Cathode line denotes the cathode end

Marking: 4P



Maximum Ratings ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Repetitive peak reverse voltage	V_{RRM}	V		300
Non-Repetitive Peak forward surge current	I_{FSM}	A	$t_p=1\mu s$ $t_p=1ms$ $t_p=10ms$	4 2.3 1.7
Average forward current	I_{FAV}	mA		225
Power dissipation	P_D	mW		200
Thermal Resistance From Junction To Ambient	R_{JA}	/W		625
Junction temperature	T_j			-55 to +150
Storage temperature range	T_{stg}			-55 to +150

Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Maximum Forward voltage	V_F	V	$I_F=100mA$	1
Maximum Reverse current	I_R	nA	$V_R=240V$	100
		uA	$V_R=240V, T_j = 150$ C	100
Minimum Breakdown voltage	V_R	V	$I_R=100\mu A$	300
Maximum Diode capacitance	C_D	pF	$V_R=0V, f=1MHz$	5
Maximum Reverse recovery time	t_{rr}	ns	$I_F=30mA, I_{rr}=0.1I_R, R_L=100$	50



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Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAS21J	F2	Approximate 0.0048	3000	30000	120000	7" reel



BAS21J

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