

Micro Commercial Components



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Features

- Halogen free available upon request by adding suffix "-HF"
- For Surface Mount Application.
- Device Marking: JS
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- For Surface Mount Application.
- Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

Symbol	Rating	Value	Unit
V _R	Continuous Reverse Voltage	250	Vdc
I _F	Peak Forward Current	200	mAdc
I _{FM(surge)}	Peak Forward Surge Current	625	mAdc

Thermal Characteristics

Symbol	Characteristic	Max	Unit				
Б	Total Device Dissipation FR-5 Board *, $T_A=25^{\circ}C$	200	mW				
P _D	Derate above $25^{\circ}C$	1.57	mW/ ^o C				
Rja	Thermal Resistance Junction to Ambient	635	°C/W				
$T_{J,}T_{STG}$	Junction and Storage Temperature Range	-55 to +155	°C				

Electrical Characteristics @ 25°C Unless Otherwise Specified

Min

250

Max

0.1

100

1000

1250

5.0

50

Unit

µAdc

Vdc

mVdc

рF

ns

Characteristic

Reverse Voltage Leakage Current

<u>(V_R=200</u>Vdc, T_J=150^oC)

Reverse Breakdown Voltage

 $(V_R = 200 V dc)$

(I_{BR}=100µAdc)

Forward Voltage (I_F=100mAdc)

 $(I_F = 200 \text{ mAdc})$

Diode Capacitance

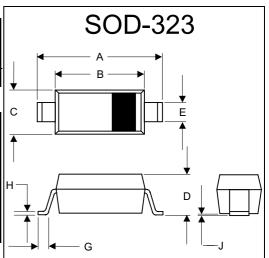
 $(V_{R}=0, f=1.0MHz)$

Reverse Recovery Time

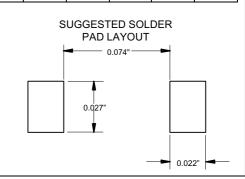
 $(I_F = I_R = 30 \text{ mAdc}, R_L = 100 \text{ OHM})$

High Voltage Switching Diode

BAS21WS



	DIMENSIONS						
DIM	/ INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX			
Α	.090	.107	2.30	2.70			
В	.063	.071	1.60	1.80			
С	.045	.053	1.15	1.35			
D	.031	.045	0.80	1.15			
Е	.010	.016	0.25	0.40			
G	.004	.018	0.10	0.45			
Н	.004	.010	0.10	0.25			
J		.006		0.15			



*FR-5 Minimum Pad

Symbol

 I_{R}

V_(BR)

VF

 C_D

trr

Off Characteristics

www.mccsemi.com

Revision: B

2013/01/01



Ordering Information :

Device	Packing	
Part Number-TP	Tape&Reel: 3Kpcs/Reel	

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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