

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Micro Commercial Components \(MCC\)](#)
[BAS21WS-TP](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

M.C.C.

Micro Commercial Components



Micro Commercial Components
20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

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
P_D	Total Device Dissipation FR-5 Board *, $T_A=25^\circ\text{C}$ Derate above 25°C	200	mW
R_{JA}	Thermal Resistance Junction to Ambient	1.57	$\text{mW}/^\circ\text{C}$
T_J, T_{STG}	Junction and Storage Temperature Range	-55 to +155	$^\circ\text{C}$

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Characteristic	Min	Max	Unit
--------	----------------	-----	-----	------

Off Characteristics

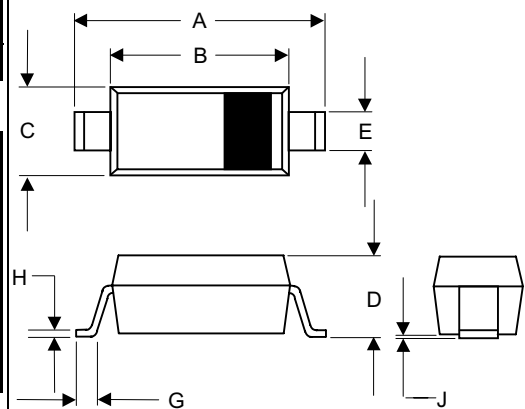
I_R	Reverse Voltage Leakage Current ($V_R=200\text{Vdc}$) ($V_R=200\text{Vdc}, T_J=150^\circ\text{C}$)	---	0.1 100	μAdc
$V_{(BR)}$	Reverse Breakdown Voltage ($I_{BR}=100\mu\text{Adc}$)	250	---	Vdc
V_F	Forward Voltage ($I_F=100\text{mAdc}$) ($I_F=200\text{mAdc}$)	---	1000 1250	mVdc
C_D	Diode Capacitance ($V_R=0, f=1.0\text{MHz}$)	---	5.0	pF
trr	Reverse Recovery Time ($I_F=I_R=30\text{mAdc}, R_L=100\text{OHM}$)	---	50	ns

*FR-5 Minimum Pad

BAS21WS

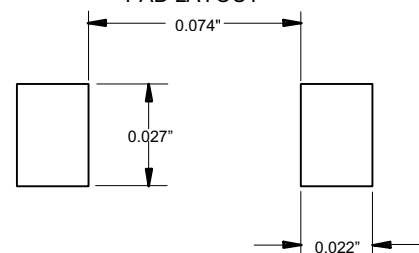
High Voltage Switching Diode

SOD-323



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.090	.107	2.30	2.70	
B	.063	.071	1.60	1.80	
C	.045	.053	1.15	1.35	
D	.031	.045	0.80	1.15	
E	.010	.016	0.25	0.40	
G	.004	.018	0.10	0.45	
H	.004	.010	0.10	0.25	
J	----	.006	----	0.15	

SUGGESTED SOLDER PAD LAYOUT





Micro Commercial Components

Ordering Information :

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

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

IMPORTANT NOTICE

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications , enhancements , improvements , or other changes . **Micro Commercial Components Corp .** does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights ,nor the rights of others . The user of products in such applications shall assume all risks of such use and will agree to hold **Micro Commercial Components Corp .** and all the companies whose products are represented on our website, harmless against all damages.

LIFE SUPPORT

MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

CUSTOMER AWARENESS

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. **MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources.** MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.