



Micro Commercial Components



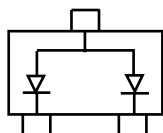
Micro Commercial Components  
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## BAS21A/C/S

### 225mW 250Volt Switching Diode

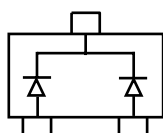
### Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Power dissipation: 225mW ( $T_{amb}=25^{\circ}C$ )
- Forward current: 200mA



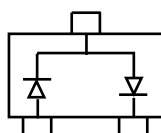
BAS21A

Marking: JS2



BAS21C

Marking: JS3



BAS21S

Marking: JS4

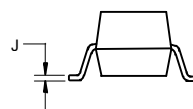
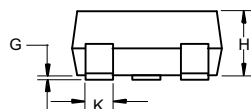
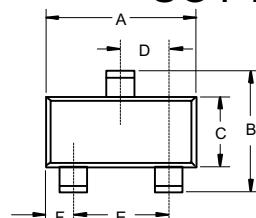
### Maximum Ratings

- Operating Temperature:  $-55^{\circ}C$  to  $+150^{\circ}C$
- Storage Temperature:  $-55^{\circ}C$  to  $+150^{\circ}C$

### Electrical Characteristics @ $25^{\circ}C$ Unless Otherwise Specified

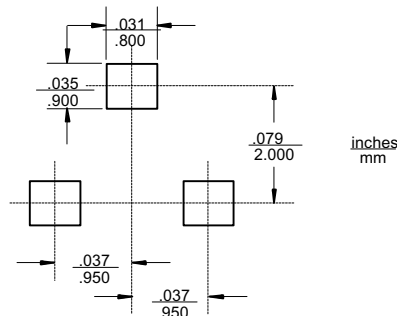
Reverse Breakdown Voltage	$V_{(BR)}$	250V	$I_R=100 \mu A$
Maximum Instantaneous Forward Voltage	$V_F$	1100mV	$I_{FM} = 100mA$ ; $T_J = 25^{\circ}C$
Non-Repetitive Peak Forward Surge Current	$I_{FSM}$	2.5 A 0.5 A	$t = 1.0 \mu s$ $t = 1.0 s$
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	1 $\mu A$	$V_R=200Volts$ ; $T_J = 25^{\circ}C$
Diode Capacitance	$C_D$	5pF	Measured at 1.0MHz, $V_R=0V$
Reverse Recovery Time	$T_{rr}$	50nS	

### SOT-23



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.110	.120	2.80	3.04	
B	.083	.104	2.10	2.64	
C	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
E	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
H	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	

### Suggested Solder Pad Layout



## Ordering Information :

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

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