



**Micro Commercial Components** 

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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## BAS21T

## **Features**

- Halogen free available upon request by adding suffix "-HF"
- Ultra-Small Surface Mount Package
- · Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1



Marking: T3

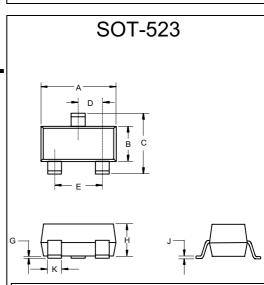
# **Maximum Ratings**

- Operating Temperature: -65°C to +150°C
- Storage Temperature: -65°C to +150°C

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Peak Repetitive Reverse Voltage	$V_{RRM}$	250V	
Average Rectified Output Current	Io	200mA	
Power Dissipation	$P_{D}$	150mW	
Peak Forward Surge Current @t=1.0us @t=1.0s	I <sub>FSM</sub>	2.5A 0.5A	
Maximum Instantaneous Forward Voltage	V <sub>F</sub>	1V 1.25V	IF=100mA IF=200mA
Maximum DC Reverse Current At Rated DC Blocking Voltage	I <sub>R</sub>	100nA	V <sub>R</sub> =250Volts
Typical Total Capacitance	C <sub>T</sub>	5pF	Measured at 1.0MHz, V <sub>R</sub> =0V
Reverse Recovery Time	T <sub>rr</sub>	50nS	$IF = IR = 30\text{mA},$ $Irr = 0.1 \text{ x } I_R,$ $RL = 100\Omega$

# 150mW 250 Volt Switching Diode

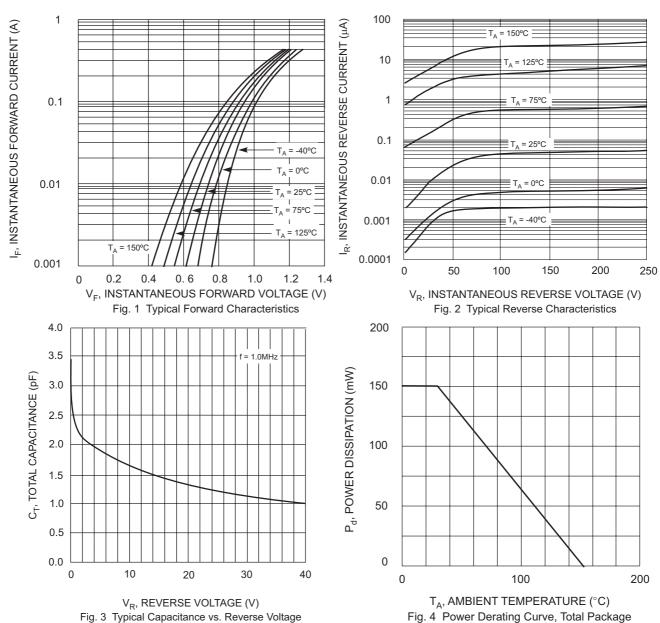


DIMENSIONS							
	INCHES		ММ				
DIM	MIN	MAX	MIN	MAX	NOTE		
Α	.059	.067	1.50	1.70			
В	.030	.033	0.75	0.85			
С	.057	.069	1.45	1.75			
D	.020 Nominal		0.50Nominal				
Е	.035	.043	0.90	1.10			
G	.000	.004	.000	.100			
Н	.028	.031	.70	0.80			
J	.004	.008	.100	.200			
K	.010	.014	.25	.35			

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### 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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