



**Micro Commercial Components** 

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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BAS70T **BAS70-04T BAS70-05T BAS70-06T** 

## **Features**

- Ultra-Small Surface Mount Package
- Low turn on Voltage
- **Fast Switching**
- PN Junction Guard Ring for Transient and ESD Protection Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

MCC	Device		Pin
Part Number	Marking	Type	Configuration
BAS70T	7C	Single	Figure 1
BAS70-04T	7D	Dual	Figure 2
BAS70-05T	7E	Dual	Figure 3
BAS70-06T	7F	Dual	Figure 4

## **Maximum Ratings**

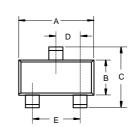
DC Blocking Voltage		70V
Forward Continuous Current		70mA
Non-Repetitive Peak Forward Current t<1s	I <sub>FSM</sub>	100mA
Total Power Dissipation @ T <sub>A</sub> = 25°C		150mW
Storage Temperature Range		-55°C to 150°C
Junction Temperature	Tj	-55°C to 150°C

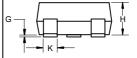
### Electrical Characteristics @ 25°C Unless Otherwise Specified

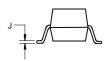
		<del> </del>	noi mice opecimen
Ratings	Symbol	Max.	Notes
Forward Voltage	$V_{F}$	410mV	I <sub>F</sub> =1mA
		1000mV	I <sub>F</sub> =15mA
Reverse Current	$I_R$	100nA	$V_R = 50V$
Reverse Breakdown	$V_{(BR)}$	>70V	I <sub>R</sub> =10uA
Voltage	,		
Total Capacitance	C	2pF	Measured at
	Ст		1.0MHz, $V_R$ =0V
Reverse Recovery			$I_F = I_R = 10 \text{mA}$ ;
Time	t <sub>rr</sub>	5nS	Irr=0.1*I <sub>R</sub>
			R <sub>L</sub> = 100 Ω

## 150mWatt, 70Volt **Schottky Barrier Diode**





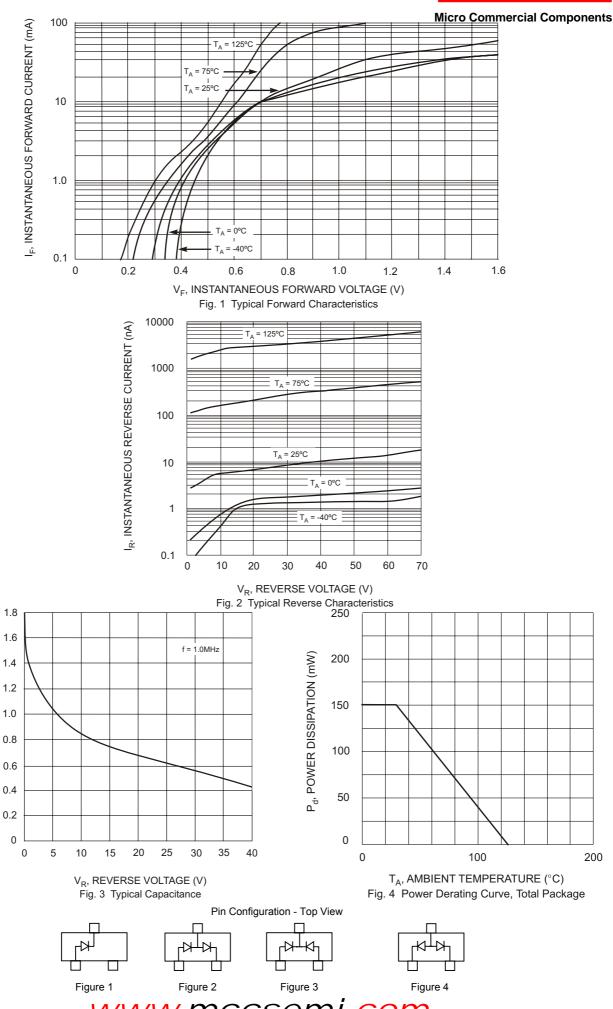




DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.059	.067	1.50	1.70	
В	.030	.033	0.75	0.85	
O	.057	.069	1.45	1.75	
D	.020 Nominal		0.50Nominal		
Е	.035	.043	0.90	1.10	
G	.000	.004	.000	.100	
Η	.028	.031	.70	0.80	
J	.004	.008	.100	.200	
K	.010	.014	.25	.35	

C<sub>T</sub>, TOTAL CAPACITANCE (pF)







#### **Micro Commercial Components**

## Ordering Information:

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

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