

**Micro Commercial Components** 



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## **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 Part Number	Device Marking	Туре	Pin 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**

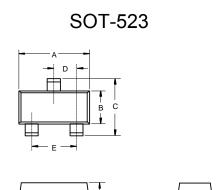
DC Blocking Voltage		70V
Forward Continuous Current		70mA
Non-Repetitive Peak Forward Current t<1s	I <sub>FSM</sub>	100mA
Total Power Dissipation @ $T_A = 25^{\circ}C$		150mW
Storage Temperature Range		-55°C to 150°C
Junction Temperature	Tj	-55°C to 150°C

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Ratings	Symbol	Max.	Notes
Forward Voltage	V <sub>F</sub>	410mV 1000mV	I <sub>F</sub> =1mA I <sub>F</sub> =15mA
Reverse Current	I <sub>R</sub>	100nA	V <sub>R</sub> = 50V
Reverse Breakdown Voltage	V <sub>(BR)</sub>	>70V	I <sub>R</sub> =10uA
Total Capacitance	C <sub>T</sub>	2pF	Measured at 1.0MHz, V <sub>R</sub> =0V
Reverse Recovery Time	t <sub>rr</sub>	5nS	$I_F = I_R = 10mA$ ; Irr=0.1* $I_R$ $R_L = 100 \Omega$

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

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

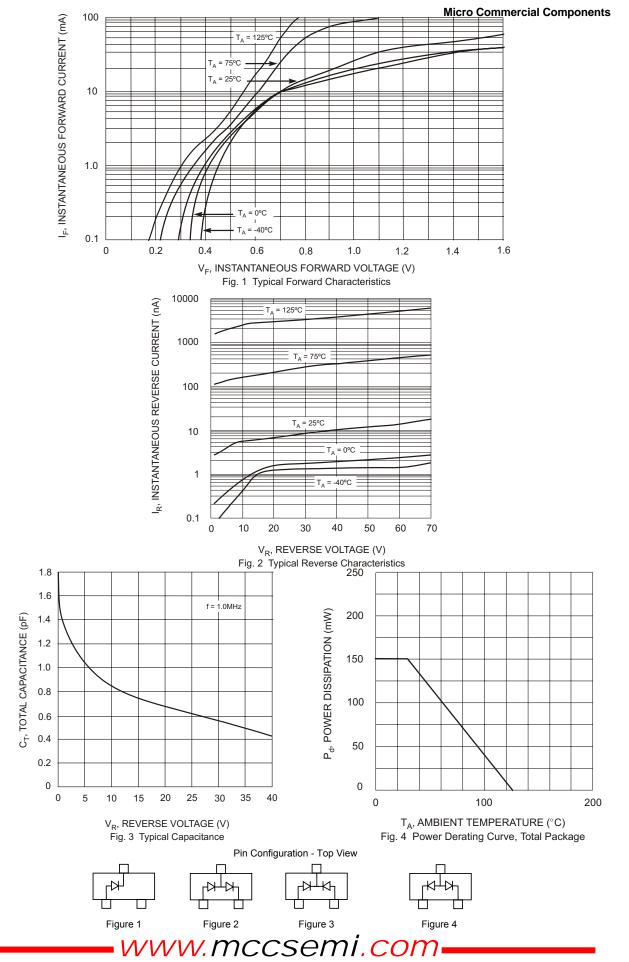




DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
А	.059	.067	1.50	1.70	
В	.030	.033	0.75	0.85	
С	.057	.069	1.45	1.75	
D	.020 Nominal		0.50Nominal		
Е	.035	.043	0.90	1.10	
G	.000	.004	.000	.100	
Н	.028	.031	.70	0.80	
J	.004	.008	.100	.200	
К	.010	.014	.25	.35	

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## **Ordering Information :**

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

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