



Micro Commercial Components  
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# **BAS40-04T** **BAS40-05T** **BAS40-06T**

## **Features**

- Pow Dissipation PD=150mW Tamb=25°C
- Forward Current  $I_F=200\text{mA}$
- Reverse Voltage  $V_R=40\text{V}$
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

## **Maximum Ratings**

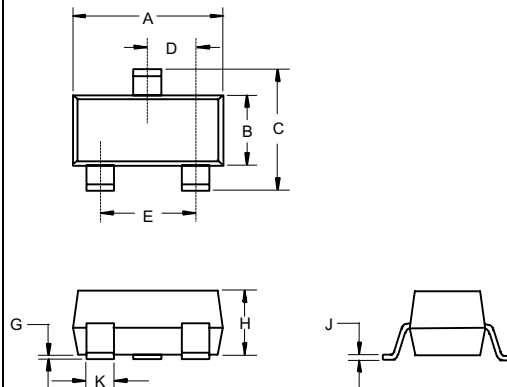
- Operating Temperature: -65°C to +150°C
- Storage Temperature: -65°C to +150°C

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

Reverse Breakdown Voltage	$V_{(BR)R}$	40V	$I_R=10\mu\text{A}$
Maximum Instantaneous Forward Voltage	$V_F$	380mV 1000mV	$I_{FM} = 1\text{mA};$ $I_{FM} = 40\text{mA};$
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	200nA	$V_R=30\text{Volts}$
Total Capacitance	$C_T$	5pF	Measured at 1.0MHz, $V_R=0\text{V}$
Reverse Recovery Time	$T_{rr}$	5nS	$I_F=I_R=10\text{mA},$ $I_{rr}=1\text{mA}, R_L=100\Omega$

## **150mW 40Volt** **Plastic-Encapsulate** **Diode**

## **SOT-523**

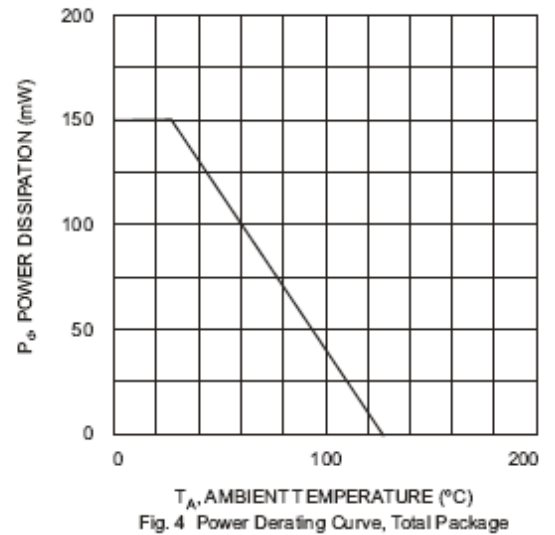
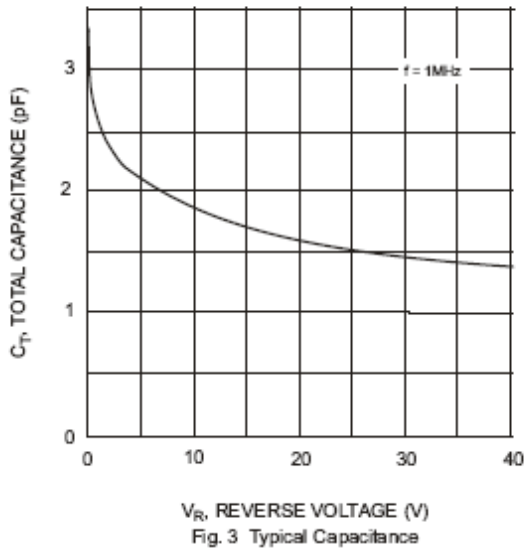
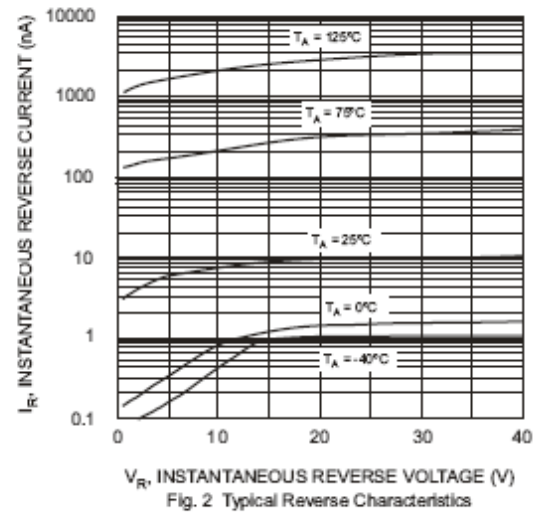
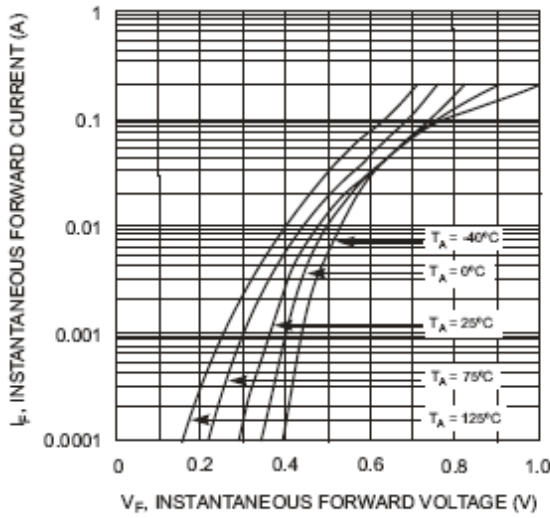


DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.059	.067	1.50	1.70	
B	.030	.033	0.75	0.85	
C	.057	.069	1.45	1.75	
D	.020 Nominal		0.50Nominal		
E	.035	.043	0.90	1.10	
G	.000	.004	.000	.100	
H	.028	.031	.70	0.80	
J	.004	.008	.100	.200	
K	.010	.014	.25	.35	

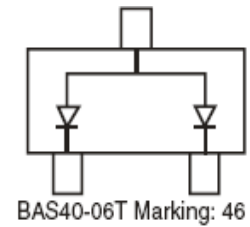
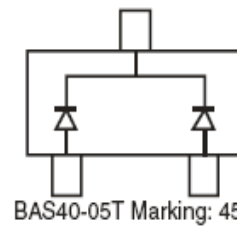
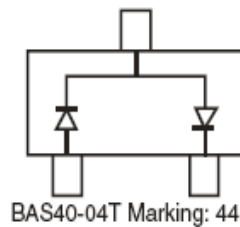
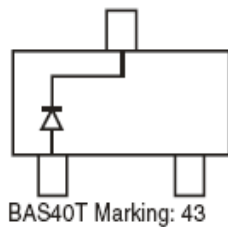
# BAS40T/-04T/-05T/-06T

**M.C.C.**

Micro Commercial Components



## Marking:



Ordering Information :

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

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