



Shanghai Miyue  
Semiconductors Co.,Ltd  
Tel:0086-21-57159233  
Fax:0086-21-60415325

**BAS40-04T  
BAS40-05T  
BAS40-06T**

**Features**

- Pow Dissipation PD=150mW Tamb=25°C
- Forward Current I<sub>F</sub>=200mA
- Reverse Voltage V<sub>R</sub>=40V
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

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

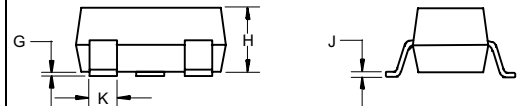
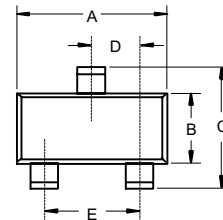
**Maximum Ratings**

- 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 <sub>(BR)R</sub>	40V	I <sub>R</sub> =10μA
Maximum Instantaneous Forward Voltage	V <sub>F</sub>	380mV 1000mV	I <sub>FM</sub> = 1mA; I <sub>FM</sub> = 40mA;
Maximum DC Reverse Current At Rated DC Blocking Voltage	I <sub>R</sub>	200nA	V <sub>R</sub> =30Volts
Total Capacitance	C <sub>T</sub>	5pF	Measured at 1.0MHz, V <sub>R</sub> =0V
Reverse Recovery Time	T <sub>rr</sub>	5nS	I <sub>F</sub> =I <sub>R</sub> =10mA, I <sub>rr</sub> =1mA,R <sub>L</sub> =100Ω

**SOT-523**



DIM	DIMENSIONS				NOTE
	INCHES		MM		
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

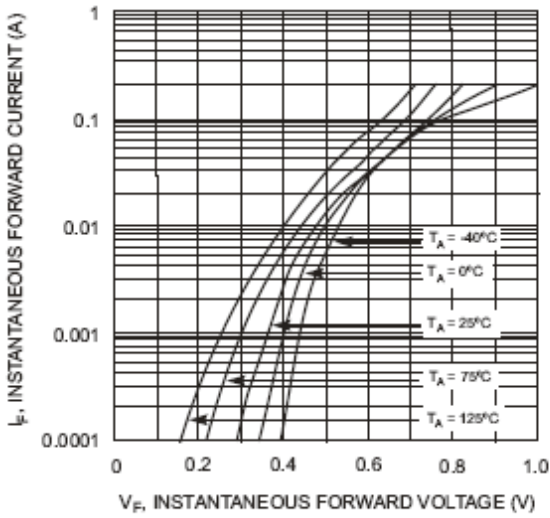


Fig. 1 Typical Forward Voltage

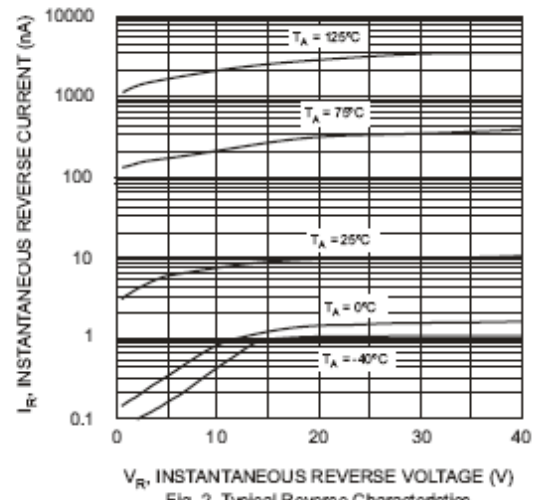


Fig. 2 Typical Reverse Characteristics

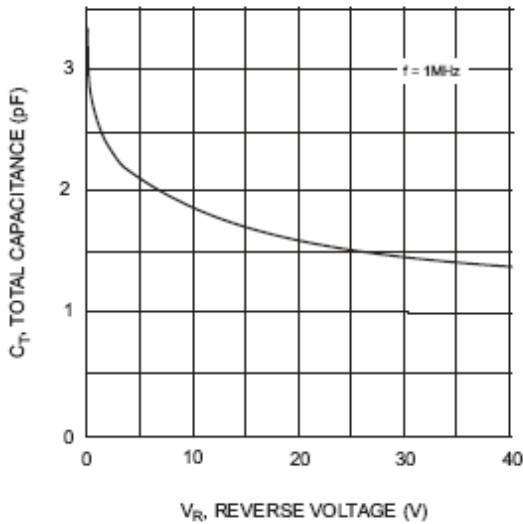


Fig. 3 Typical Capacitance

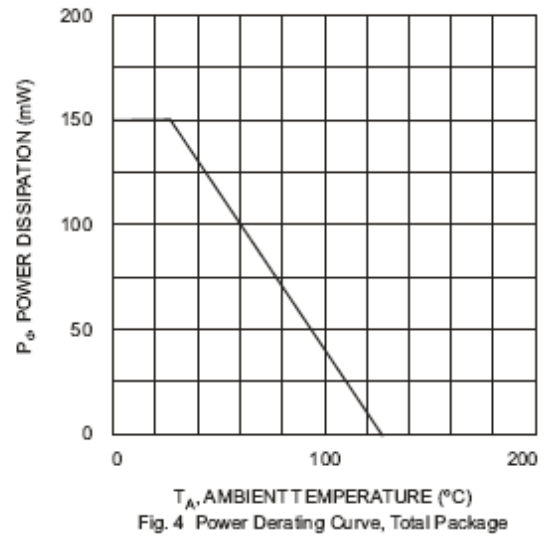


Fig. 4 Power Derating Curve, Total Package

## Marking:

