

TM

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

Features

- Pow Dissipation PD=150mW Tamb=25°C
- Forward Current I_F=200mA
- Reverse Voltage V_R=40V
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

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

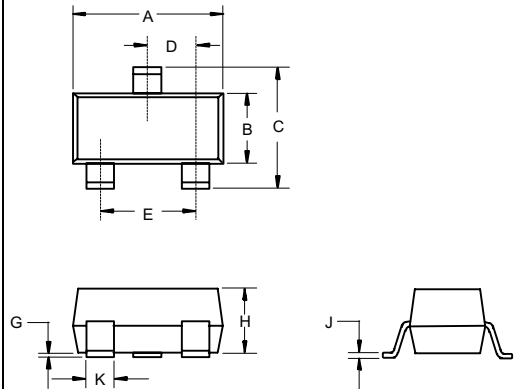
Maximum Ratings

- 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 _{(BR)R}	40V	I _R =10μA
Maximum Instantaneous Forward Voltage	V _F	380mV 1000mV	I _{FM} = 1mA; I _{FM} = 40mA;
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	200nA	V _R =30Volts
Total Capacitance	C _T	5pF	Measured at 1.0MHz, V _R =0V
Reverse Recovery Time	T _{rr}	5nS	I _F =I _R =10mA, I _{rr} =1mA,R _L =100Ω

SOT-523



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	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

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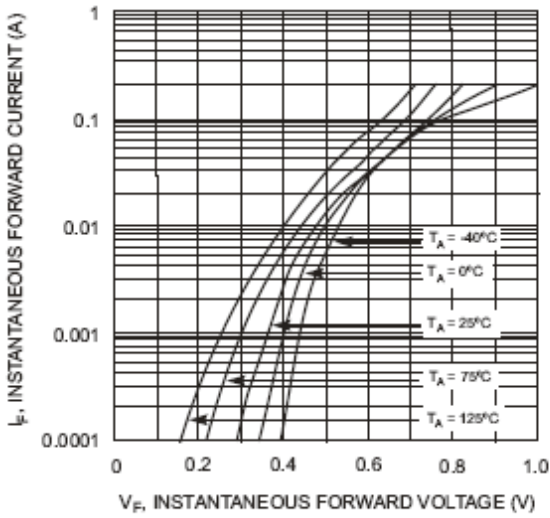


Fig. 1 Typical Forward Voltage

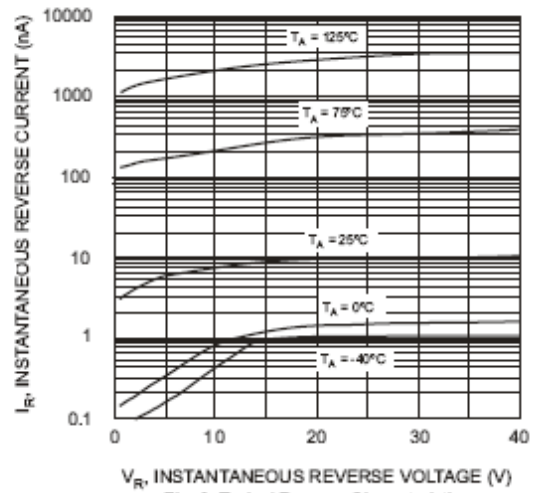


Fig. 2 Typical Reverse Characteristics

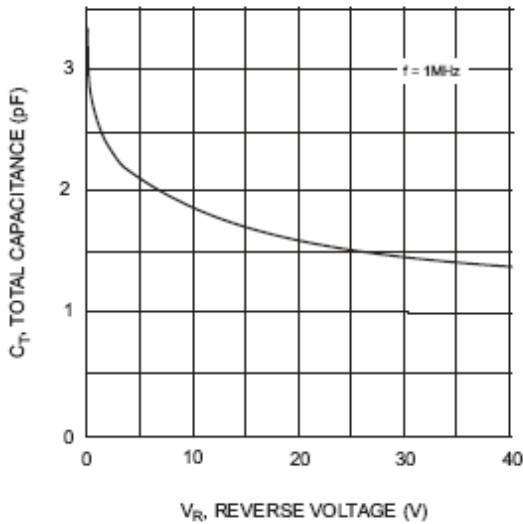


Fig. 3 Typical Capacitance

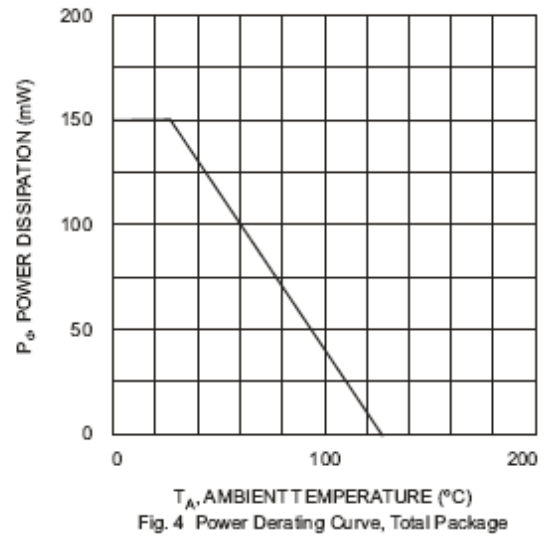
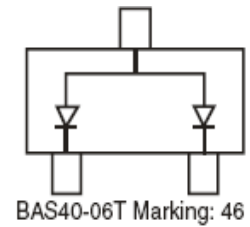
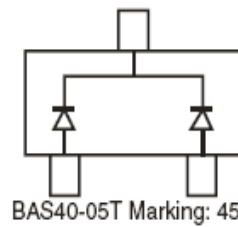
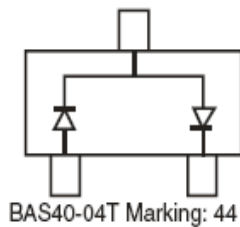
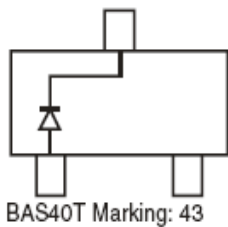


Fig. 4 Power Derating Curve, Total Package

Marking:



Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;3Kpcs/Reel