



**BAS40T
 BAS40-04T
 BAS40-05T
 BAS40-06T**

Features

- Pow Dissipation PD=150mW Tamb=25°C
- Forward Current I_F=200mA
- Reverse Voltage V_R=40V
- Halogen free available upon request by adding suffix "-HF"
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

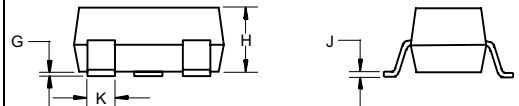
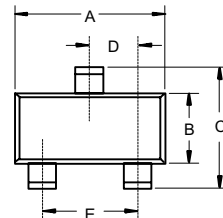
- Operating Junction Temperature: -65°C to +125 °C
- Storage Temperature: -65°C to +150°C

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

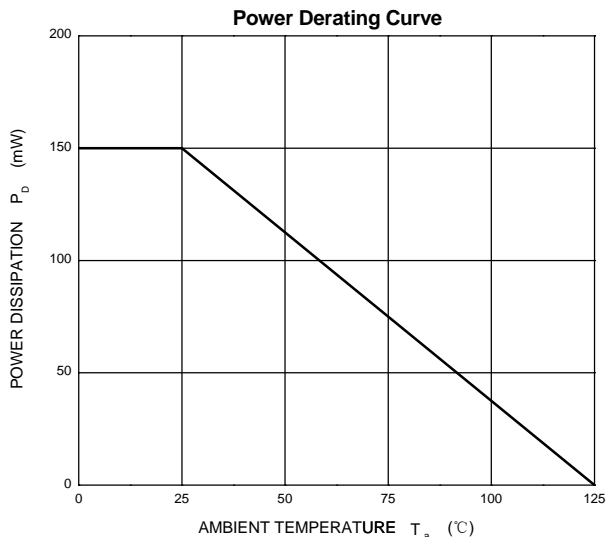
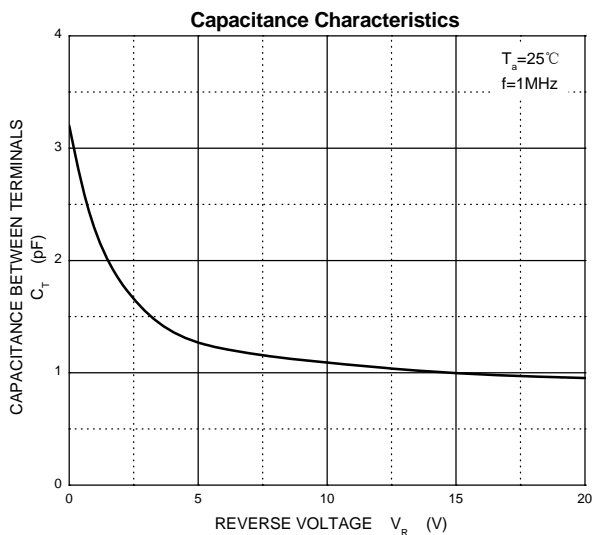
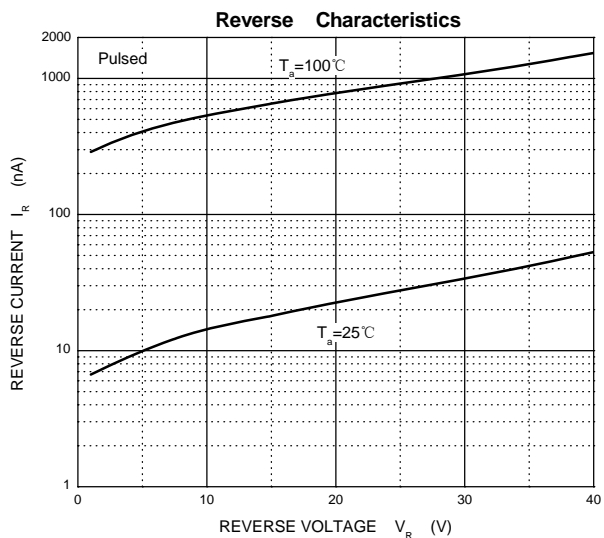
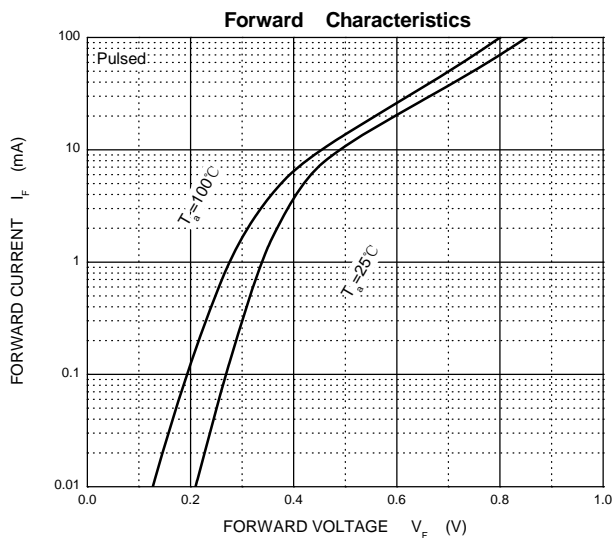
**150mW 40Volt
 Plastic-Encapsulate
 Diode**

SOT-523

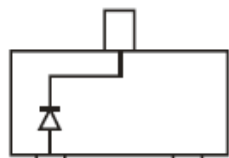


DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.059	.067	1.50	1.70	
B	.030	.033	0.75	0.85	
C	.057	.069	1.45	1.75	
D	.020 Nominal		0.50Nominal		
E	.035	.043	0.90	1.10	
G	.000	.004	.000	.100	
H	.028	.031	.70	0.80	
J	.004	.008	.100	.200	
K	.010	.014	.25	.35	

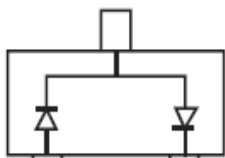
Typical Characteristics



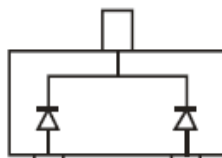
Marking:



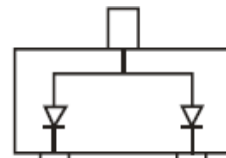
BAS40T Marking: 43



BAS40-04T Marking: 44



BAS40-05T Marking: 45



BAS40-06T Marking: 46



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Ordering Information :

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

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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