Micro Commercial Components

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BAS40WT/-04/-05/-06

200mW 40Volt Plastic-Encapsulate Diode

Features

- Pow Dissipation PD=200mW Tamb=25℃
- Forward Current I_F=200mA
- Breakdown Voltage VBR=40V
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

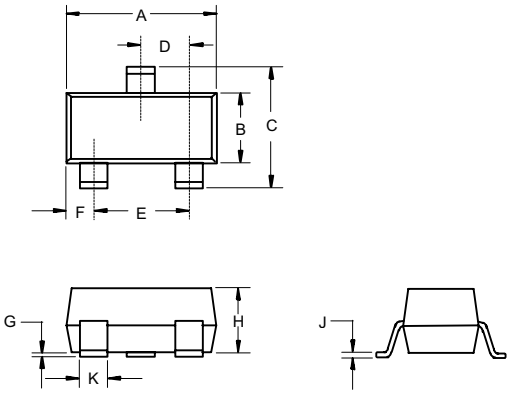
Maximum Ratings

- Operating Temperature: -55℃ to +150℃
- Storage Temperature: -55℃ to +150℃

Electrical Characteristics @ 25°C Unless Otherwise Specified

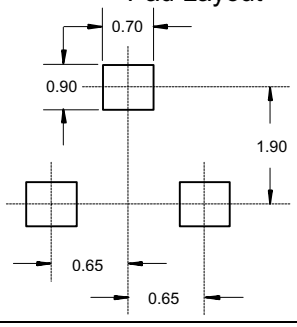
Reverse Breakdown Voltage	$V_{(BR)R}$	40V	I_R=10μA
Maximum Instantaneous Forward Voltage	V_F	380mV 1000mV	I_{FM} = 1mA; I_{FM} = 40mA;
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	1uA	V_R=30Volts
Typical Junction Capacitance	C_D	5pF	Measured at 1.0MHz, V_R=0V
Reverse Recovery Time	T_{rr}	5nS	I_F=10mA through I_R=10mA to I_R=1mA

SOT-323



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	.071	.087	1.80	2.20	
B	.045	.053	1.15	1.35	
C	.079	.087	2.00	2.20	
D	.026 Nominal		0.65Nominal		
E	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
H	.035	.039	.90	1.00	
J	.004	.010	.100	.250	
K	.012	.016	.30	.40	

Suggested Solder Pad Layout



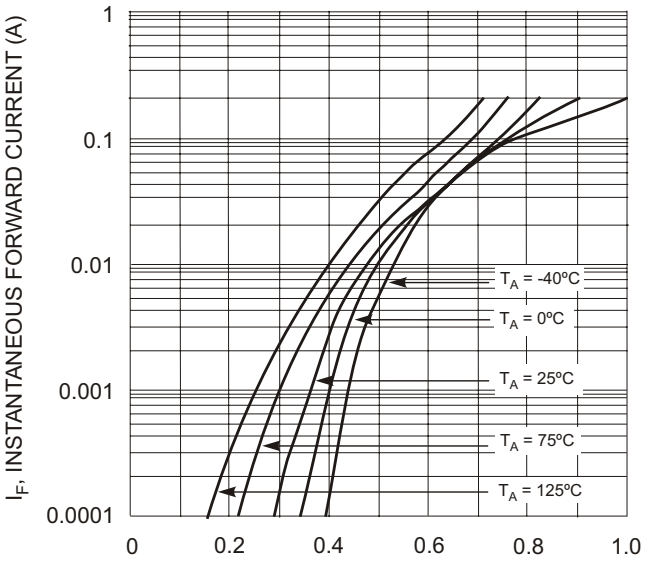


Fig. 1 Typical Forward Voltage

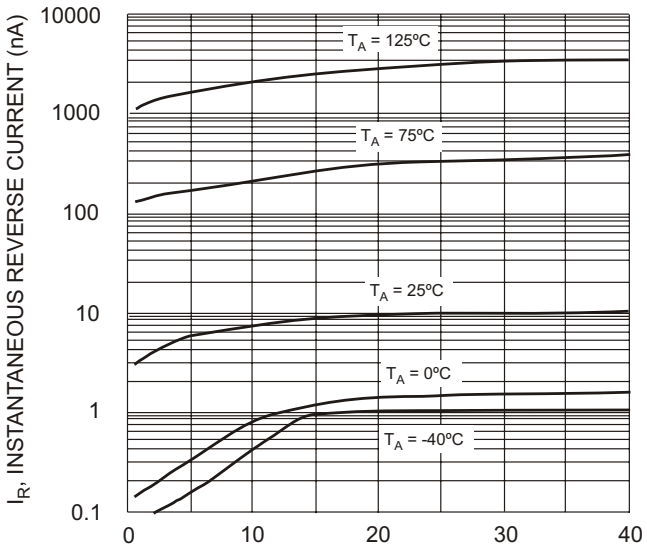


Fig. 2 Typical Reverse Characteristics

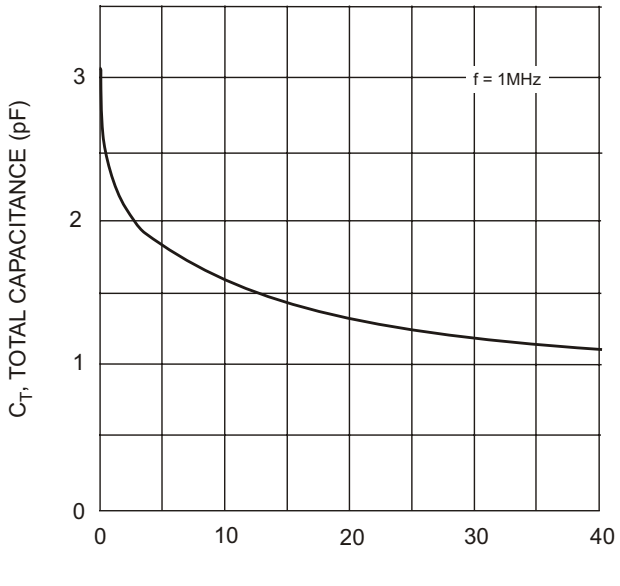
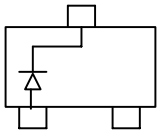
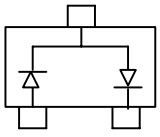


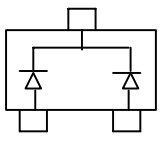
Fig. 3 Typical Capacitance



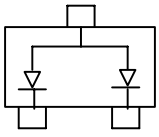
BAS40WT Marking:43/K43/S40



BAS40WT-04 Marking:44/K44/S42



BAS40WT-05 Marking:45/K45/S43



BAS40WT-06 Marking:46/K46/S44

Micro Commercial Components

Ordering Information :

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

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