



Micro Commercial Components



Micro Commercial Components  
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**BAS40WT/-04/-05/-06**

## Features

- Pow Dissipation PD=200mW Tamb=25°C
- Forward Current  $I_F=200\text{mA}$
- Breakdown Voltage VBR=40V
- Lead Free Finish/Rohs Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

## Maximum Ratings

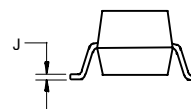
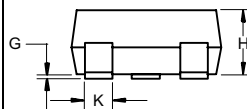
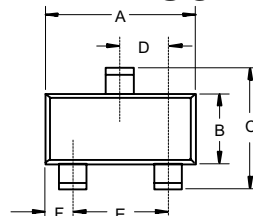
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

### 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	$I_R$	1uA	$V_R=30\text{Volts}$
Typical Junction Capacitance	$C_D$	5pF	Measured at 1.0MHz, $V_R=0\text{V}$
Reverse Recovery Time	$T_{rr}$	5nS	$I_F=10\text{mA}$ through $I_R=10\text{mA}$ to $I_R=1\text{mA}$

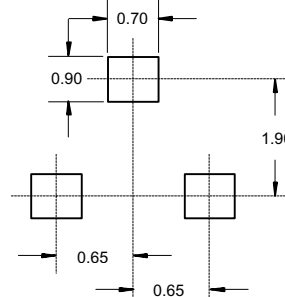
## 200mW 40Volt Plastic-Encapsulate Diode

### SOT-323

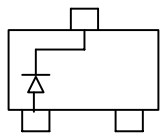
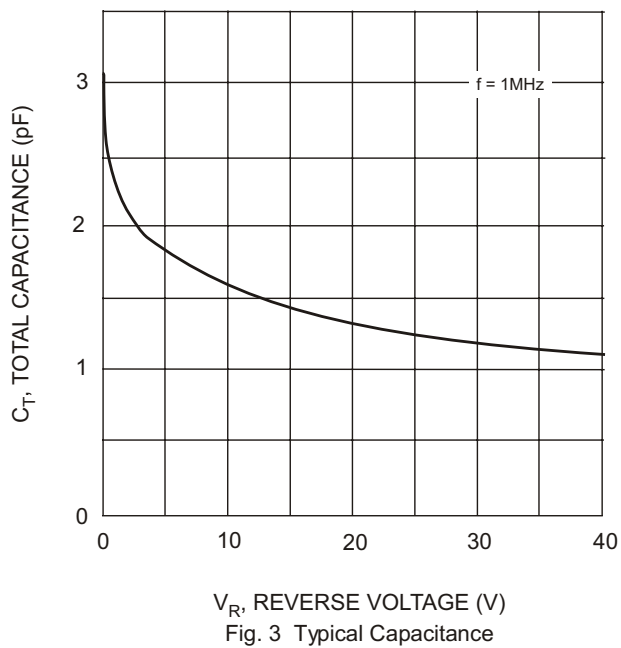
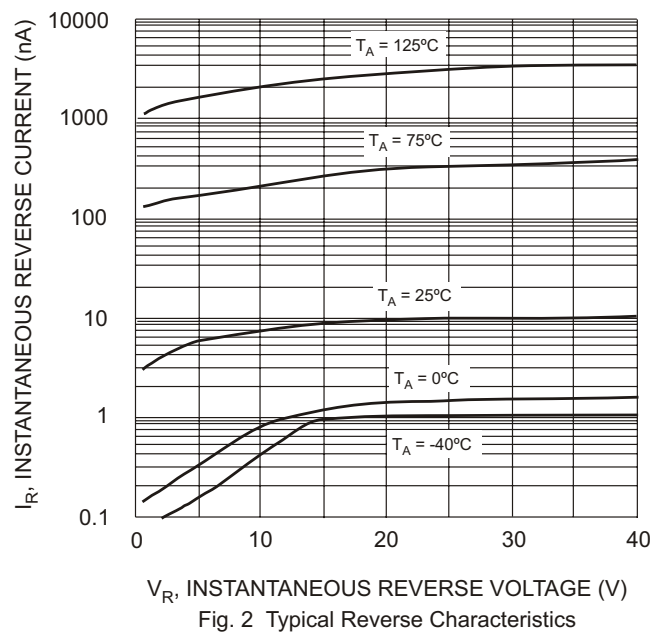
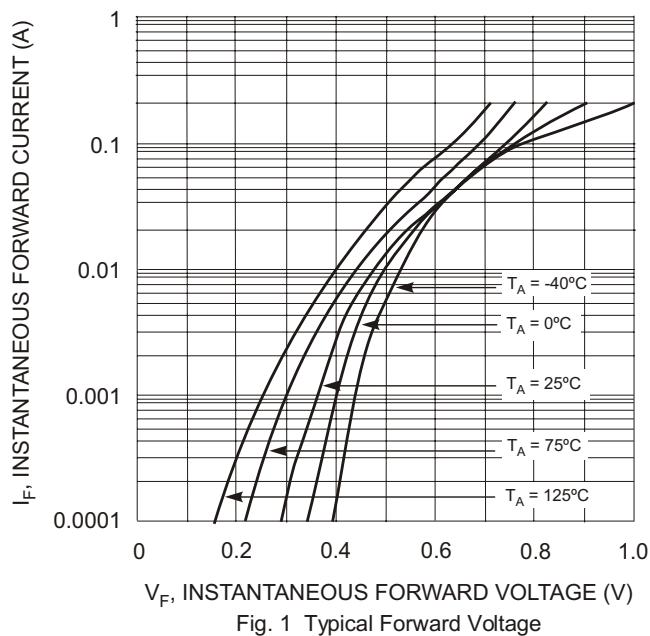


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.071	.087	1.80	2.20	
B	.045	.053	1.15	1.35	
C	.079	.087	2.00	2.20	
D	.026 Nominal		0.65Nominal		
E	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
H	.035	.039	.90	1.00	
J	.004	.010	.100	.250	
K	.012	.016	.30	.40	

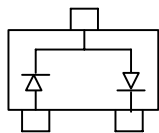
### Suggested Solder Pad Layout



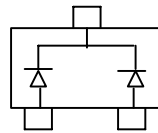
# BAS40WT



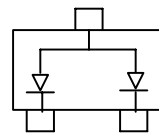
BAS40WT Marking:43/K43/S40



BAS40WT-04 Marking:44/K44/S42



BAS40WT-05 Marking:45/K45/S43



BAS40WT-06 Marking:46/K46/S44

## 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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