

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939 BAS40WT/-04/-05/-06

Features

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

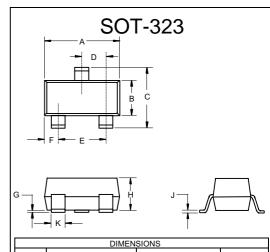
200mW 40Volt Plastic-Encapsulate Diode

Maximum Ratings

Operating Temperature: -55°C to +150°C
Storage Temperature: -55°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	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



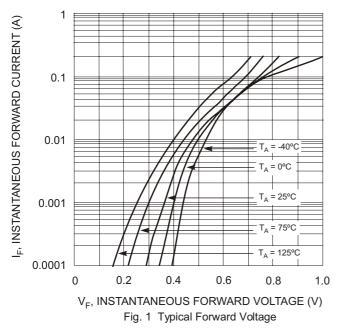
	INCHES		ММ		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.071	.087	1.80	2.20	
В	.045	.053	1.15	1.35	
С	.079	.087	2.00	2.20	
D	.026 Nominal		0.65Nominal		
Е	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
I	.035	.039	.90	1.00	
٦	.004	.010	.100	.250	
K	.012	.016	.30	.40	

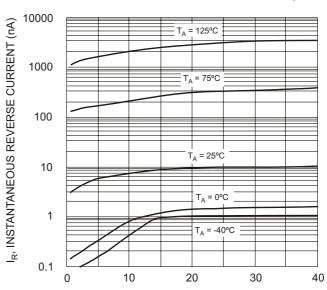
Suggested Solder Pad Layout 0.70 1.90 1.90 0.65 0.65

BAS40WT

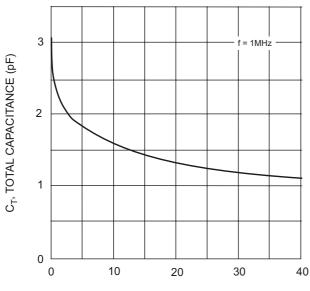


Micro Commercial Components





V_R, INSTANTANEOUS REVERSE VOLTAGE (V) Fig. 2 Typical Reverse Characteristics



V_R, REVERSE VOLTAGE (V) 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	

IMPORTANT NOTICE

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes. **Micro Commercial Components Corp.** does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights, nor the rights of others. The user of products in such applications shall assume all risks of such use and will agree to hold **Micro Commercial Components Corp.** and all the companies whose products are represented on our website, harmless against all damages.

LIFE SUPPORT

MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

CUSTOMER AWARENESS

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources. MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.