

Features

- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/Rohs Compliant ("P"Suffix Designates RoHS Compliant See ordering information)

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance(Note2): 625°C/W Junction to Ambient

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
BAS40WT	43	40V	28V	40V
BAS40WT-04	44	40V	28V	40V
BAS40WT-05	45	40V	28V	40V
BAS40WT-06	46	40V	28V	40V

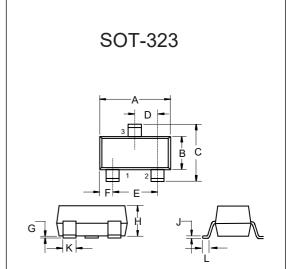
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	200mA	25°C
Peak Forward Surge Current	I _{FSM}	600mA	t<1s
Power Dissipation	P _d	200mW	T _A = 25 °C
Maximum Forward Voltage	V _F	380mV 1000mV	I _F =1.0mA I _F =40mA
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	1µA	V _R = 30V
Reverse Breakdown Voltage	V _(BR)	40V	I _R =10µA
Typical Junction Capacitance	CJ	5.0pF	Measured at 1.0MHz, V _R =0V
Reverse Recovery Time	t _{rr}	5.0ns	I_{rr} =1mA, I_{R} = I_{F} =10mA R_{L} =100 Ω

Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

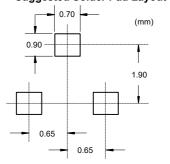
2. Part mounted on FR-4 board with recommended pad layout.

200mW,40V Schottky Barrier Diode



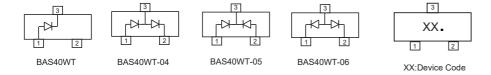
DIMENSIONS								
DIM	INC	HES	MM		NOTE			
יאוול	MIN	MAX	MIN	MAX	NOTE			
Α	0.071	0.087	1.80	2.20				
В	0.045	0.053	1.15	1.35				
C	0.083	0.096	2.10	2.45				
D	0.026		0.65		TYP.			
Е	0.047	0.055	1.20	1.40				
F	0.012	0.016	0.30	0.40				
G	0.000	0.004	0.00	0.10				
Η	0.035	0.044	0.90	1.10				
J	0.002	0.010	0.05	0.25				
K	0.006	0.016	0.15	0.40				
L	0.010	0.018	0.26	0.46				

Suggested Solder Pad Layout

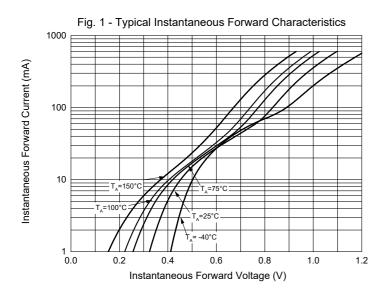


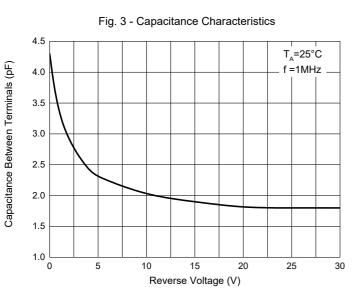


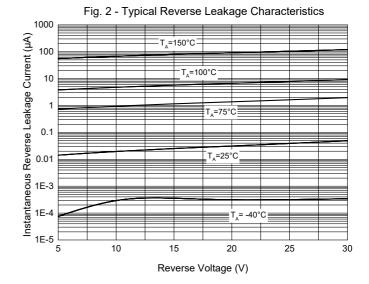
Internal Structure and Marking Code

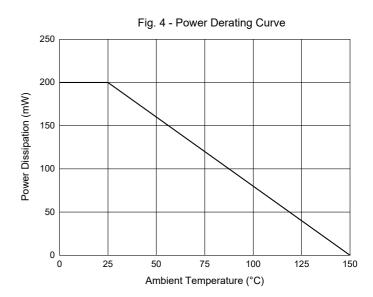


Curve Characteristics











Ordering Information

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

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Rev.4-1-05132023 3/3 MCCSEMI.COM