



Micro Commercial Components

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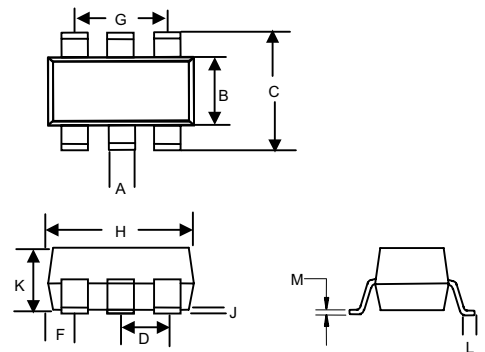
**BAS40TW/DW-04/
 DW-05 /DW-06 /BRW**

Features

- Fast Switching
- Low Forward Voltage Drop
- Low Power Dissipation
- Ultra-Small Surface Mount Package
- Case Material:Molded Plastic. UL Flammability Classificatio Rating 94-0 and MSL Rating 1

**200mW
 SCHOTTKY BARRIER
 Diode**

SOT-363



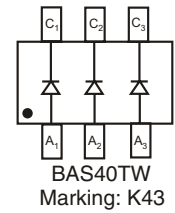
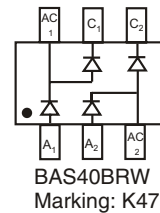
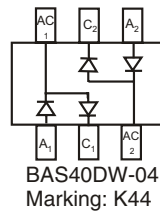
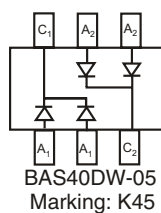
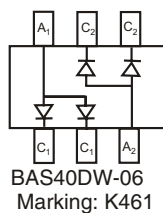
Maximum Ratings

Symbol	Rating	Rating	Unit
V_{RRM} V_{RWM} V_R	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	40	V
I_O	Average Rectified Output Current	200	mA
$R_{\theta JA}$	Thermal Resistance Junction to Ambient	625	$^{\circ}C/W$
P_D	Power dissipation	200	mW
T_J	Junction Temperature	-55 to +125	$^{\circ}C$
T_{STG}	Storage Temperature	-65 to +125	$^{\circ}C$

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Test Conditions
$V_{(BR)}$	Reverse breakdown voltage	40V	-----	$I_{R}=10\mu A$
I_R	Reverse Voltage Leakage Current	---	200nA	$V_R=30V$
V_F	Forward Voltage	---	0.38V 1.0V	$I_F=1mA$ $I_F=40mA$
C_T	Total Capacitance	---	5pF	$V_R=0V, f=1MHz$
t_{rr}	Reverse Recovery Time	---	5.0ns	$I_F=10mA, I_R=I_F=1mA$ $R_L=100\Omega$

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.004	.012	0.10	0.30	
B	.045	.053	1.15	1.35	
C	.079	.087	2.00	2.20	
D	.026		0.65Nominal		
F	.012	.016	0.30	0.40	
H	.071	.087	1.80	2.20	
J	---	.004	---	0.10	
K	.035	.039	0.90	1.00	
L	.010	.016	0.25	0.40	
M	.004	.016	0.10	0.25	



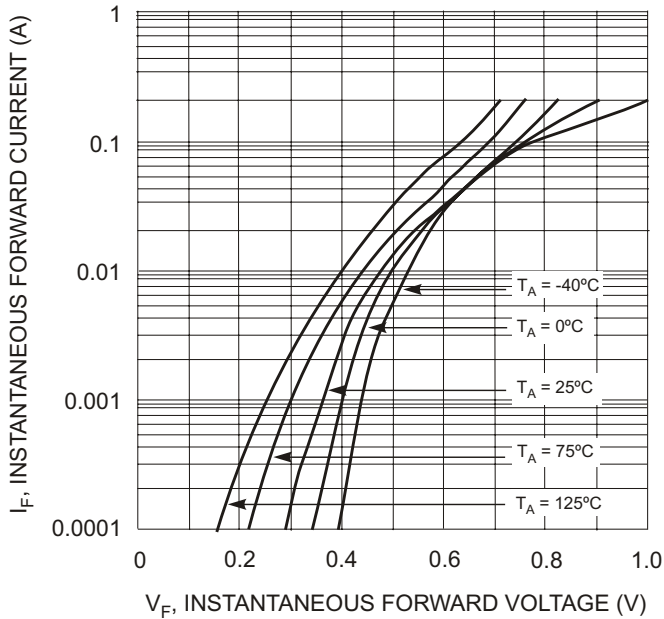


Fig. 1 Typical Forward Voltage

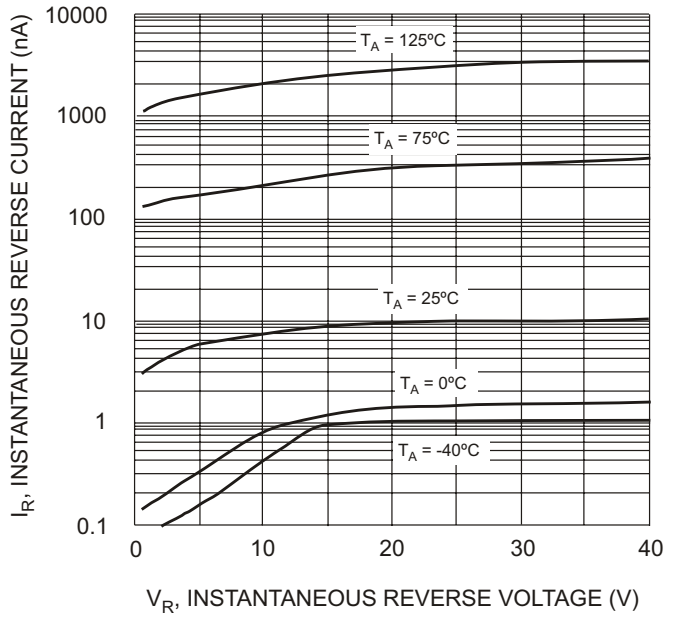


Fig. 2 Typical Reverse Characteristics

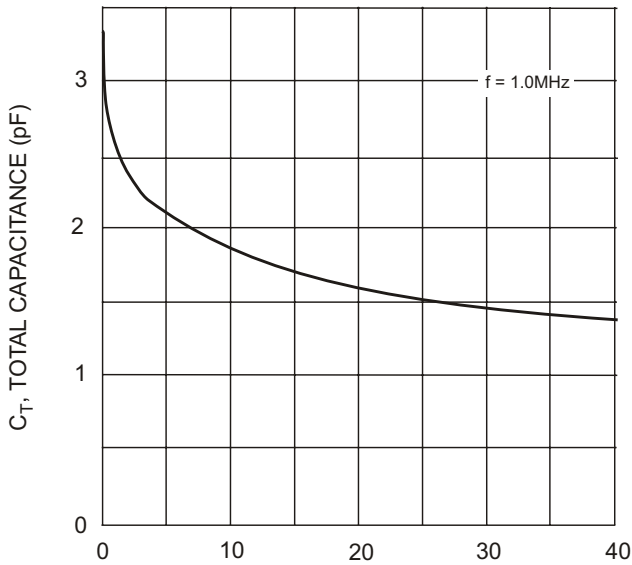


Fig. 3 Typical Capacitance

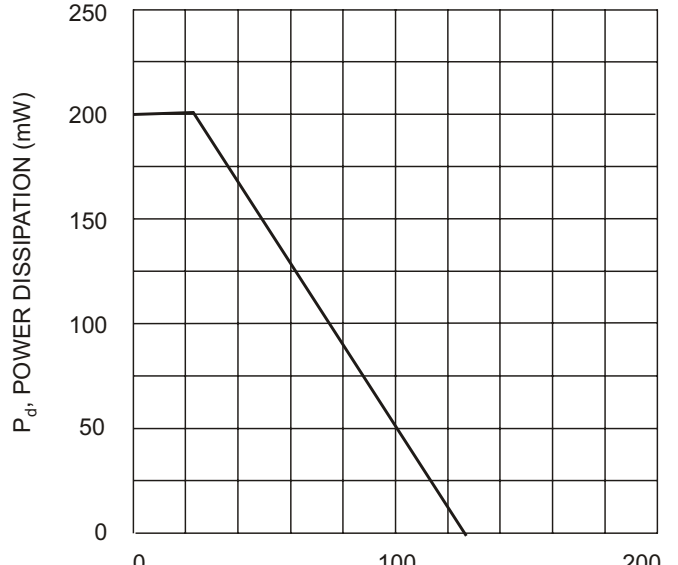


Fig. 4 Power Derating Curve, Total Package



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Ordering Information

Device (Part Number)-TP	Packing Tape&Reel;3Kpcs/Reel
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