



BAS70TW /DW-04 / DW-05 /DW-06 /BRW

Features

- Fast Switching
- Low Forward Voltage Drop
- Low Power Dissipation
- Ultra-Small Surface Mount Package
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

Symbol	Rating	Rating	Unit
V_{RRM} V_{RWM} V_R	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	70	V
I_F	Forward Continuous Current	70	mA
I_{FSM}	Peak Forward Surge Current @ <1.0s	100	mA
$R_{\theta JA}$	Thermal Resistance Junction to Ambient	625	$^{\circ}C/W$
P_D	Power dissipation	200	mW
$T_{STG \& TJ}$	Storage & Operating Junction Temperature	-55 to +125	$^{\circ}C$

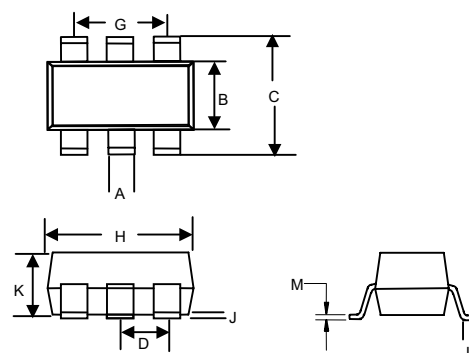
Electrical Characteristics @ 25 $^{\circ}C$ Unless Otherwise Specified

Symbol	Parameter	Min	Max	Test Conditions
I_R	Reverse Voltage Leakage Current	---	100nA	$V_R=50V$
V_F	Forward Voltage	---	0.41V 1.0V	$I_F=1mA$ $I_F=15mA$
C_T	Total Capacitance	---	2pF	$V_R=0V, f=1MHz$
t_{rr}	Reverse Recovery Time	---	5.0ns	$I_F=I_R=10mA$, $I_{rr}=0.1I_R, R_L=100\Omega$

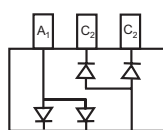
200mW

SCHOTTKY BARRIER Diode

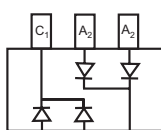
SOT-363



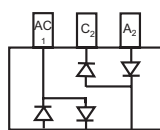
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.006	.014	0.15	0.35	
B	.045	.053	1.15	1.35	
C	.085	.096	2.15	2.45	
D	.026		0.65Nominal		
G	.047	.055	1.20	1.40	
H	.071	.087	1.80	2.20	
J	---	.004	---	0.10	
K	.035	.043	0.90	1.10	
L	.010	.018	0.26	0.46	
M	.003	.006	0.08	0.15	



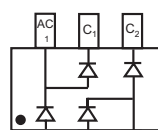
BAS70DW-06
Marking: K76



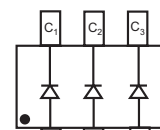
BAS70DW-05
Marking: K71



BAS70DW-04
Marking: K74



BAS70BRW
Marking: K75



BAS70TW
Marking: K73

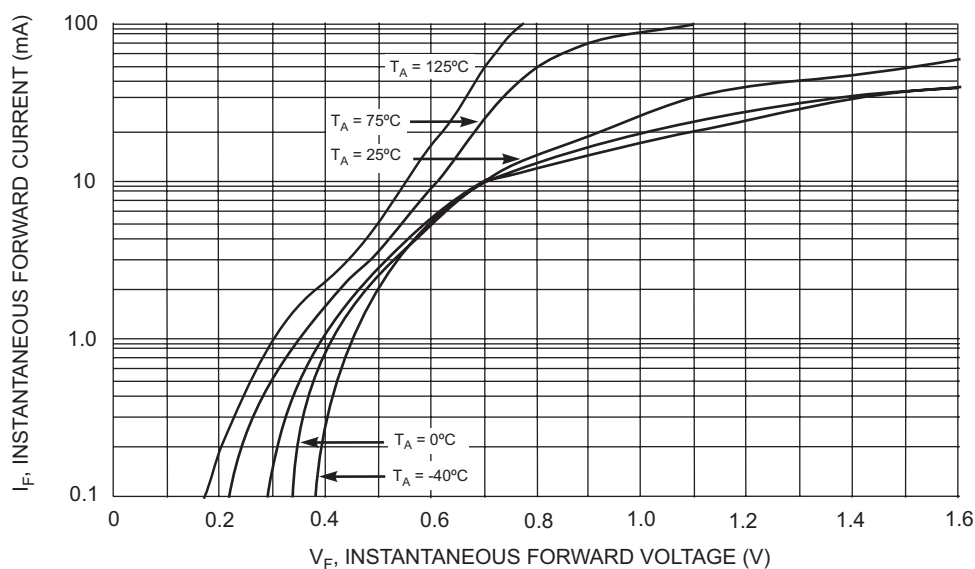


Fig. 1 Typical Forward Characteristics

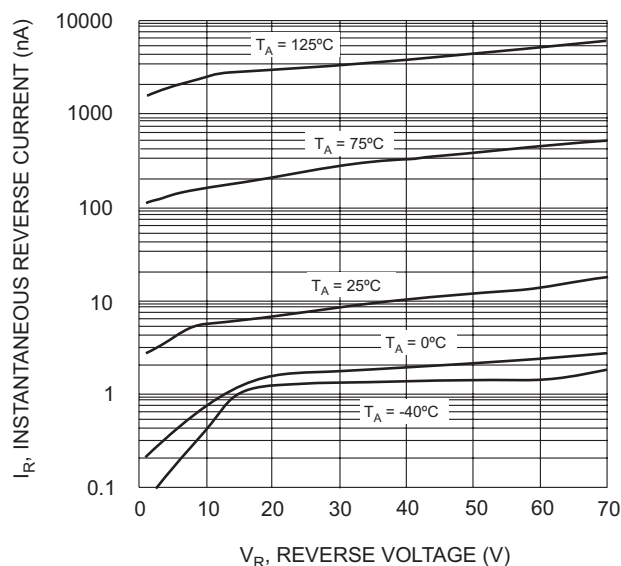


Fig. 2 Typical Reverse Characteristics

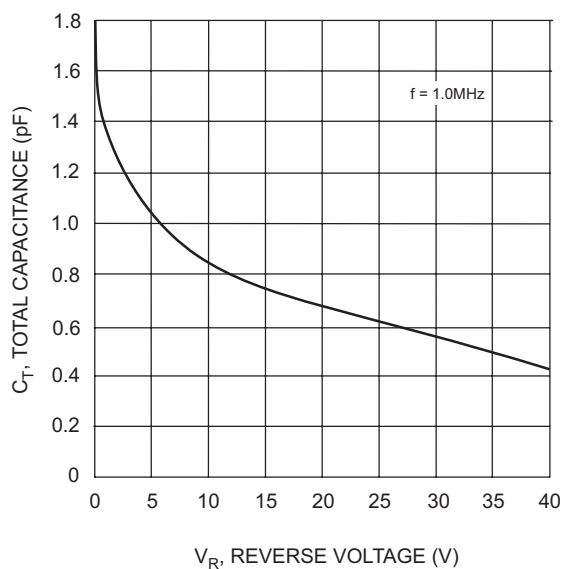


Fig. 3 Typical Capacitance

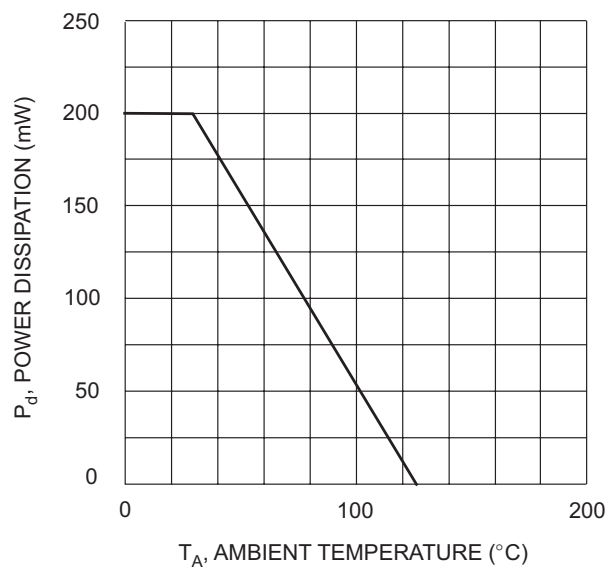


Fig. 4 Power Derating Curve, Total Package

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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