



Micro Commercial Components

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**BAS70TW /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 Classification Rating 94V-0

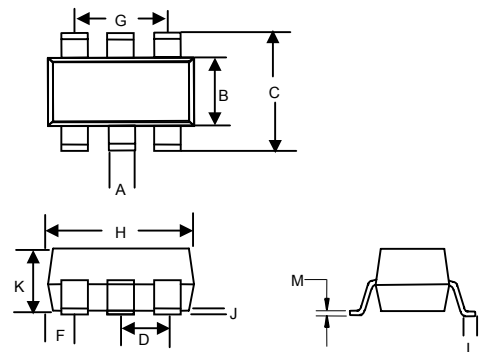
**200mW**

**SCHOTTKY BARRIER  
 Diode**

**SOT-363**

**Maximum Ratings**

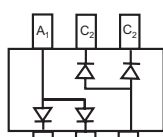
Symbol	Rating	Rating	Unit
$V_{RRM}$ $V_{RWM}$ $V_R$	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	70	V
$I_F$	Forward Continuous Current	70	mA
$I_{FSM}$	Peak Forward Surge Current @<1.0s	100	mA
$R_{\theta JA}$	Thermal Resistance Junction to Ambient	625	$^{\circ}C/W$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



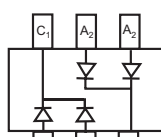
**Electrical Characteristics @ 25°C Unless Otherwise Specified**

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	$I_F=I_R=10mA,$ $I_{rr}=0.1I_R, R_L=100\Omega$

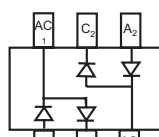
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.004	.012	0.10	0.30	
B	.045	.053	1.15	1.35	
C	.079	.087	2.00	2.20	
D	.026		0.65Nominal		
F	.012	.016	0.30	0.40	
H	.071	.087	1.80	2.20	
J	---	.004	---	0.10	
K	.035	.039	0.90	1.00	
L	.010	.016	0.25	0.40	
M	.004	.016	0.10	0.25	



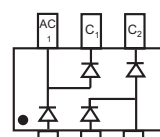
BAS70DW-06  
 Marking: K76



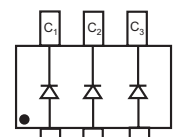
BAS70DW-05  
 Marking: K71



BAS70DW-04  
 Marking: K74



BAS70BRW  
 Marking: K75



BAS70TW  
 Marking: K73

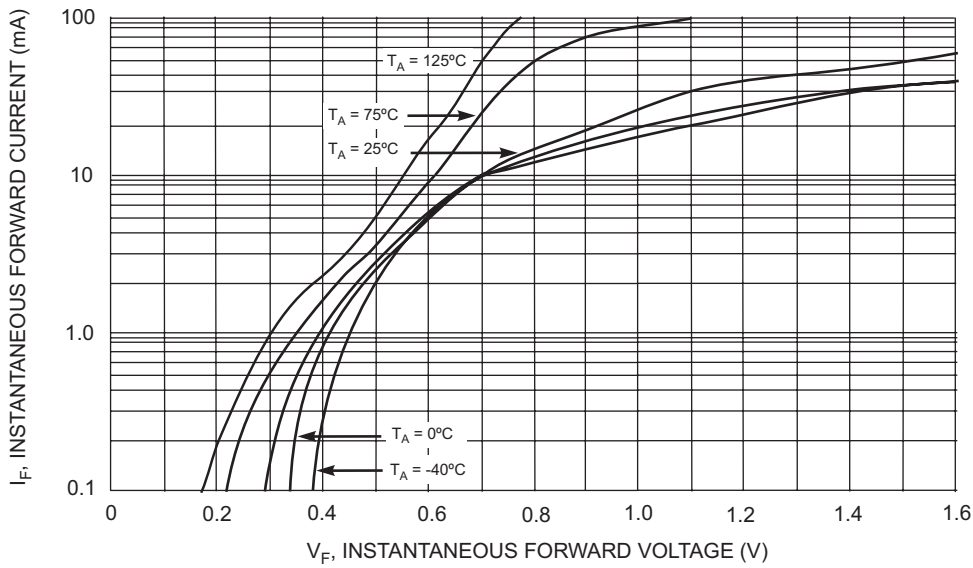


Fig. 1 Typical Forward Characteristics

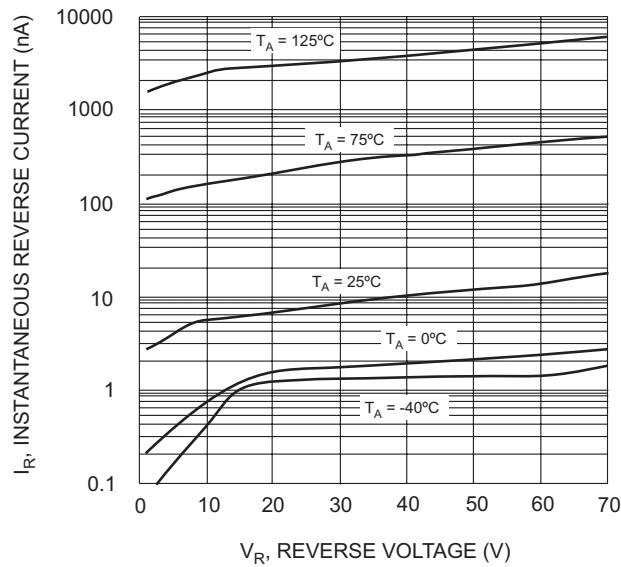


Fig. 2 Typical Reverse Characteristics

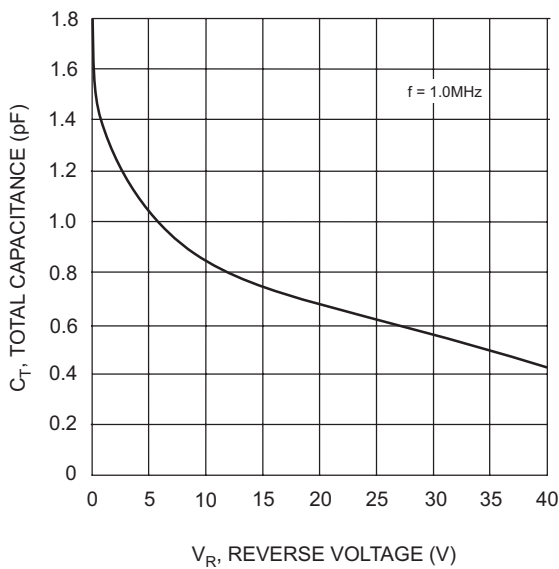


Fig. 3 Typical Capacitance

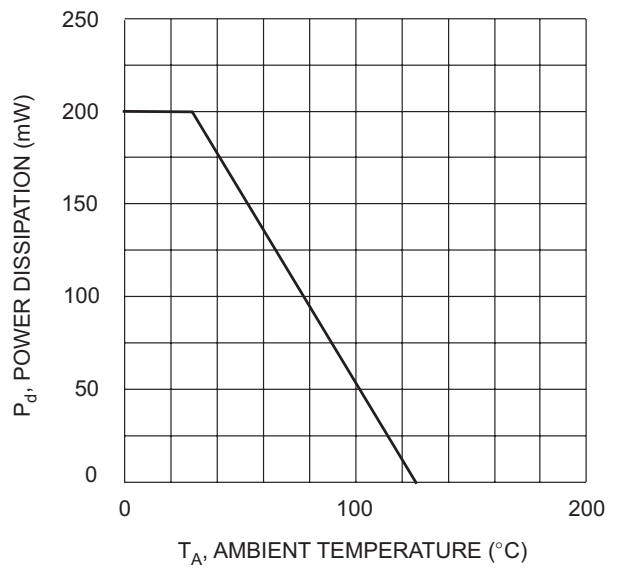


Fig. 4 Power Derating Curve, Total Package



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