Micro Commercial Components

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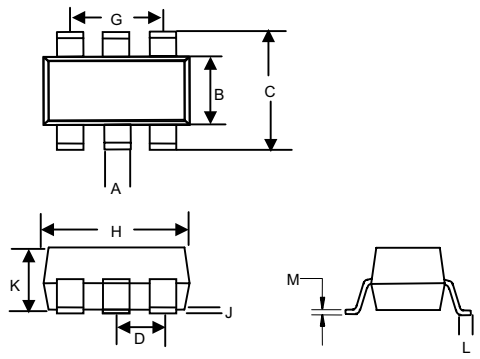
BAS70TW /DW-04 / DW-05 /DW-06 /BRW

200mW SCHOTTKY BARRIER Diode

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

SOT-363



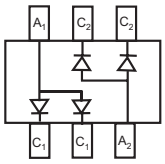
DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	.006	.014	0.15	0.35	
B	.045	.053	1.15	1.35	
C	.085	.096	2.15	2.45	
D	.026		0.65Nominal		
G	.047	.055	1.20	1.40	
H	.071	.087	1.80	2.20	
J	---	.004	---	0.10	
K	.035	.043	0.90	1.10	
L	.010	.018	0.26	0.46	
M	.003	.006	0.08	0.15	

Maxim um Ratings

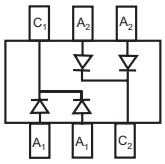
Symbol	Rating	Rating	Unit
V_{RRM} V_{RWM} V_R	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	70	V
I_F	Forward Continuous Current	70	mA
I_{FSM}	Peak Forward Surge Current @<1.0s	100	mA
$R_{\theta JA}$	Thermal Resistance Junction to Ambient	625	℃/W
P_D	Power dissipation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

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}=0.1XI_R,R_L=100Ω



BAS70DW-06
Marking: K76



BAS70DW-05
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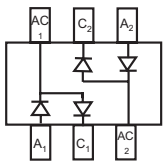

BAS70DW-04
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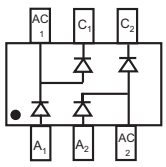

BAS70BRW
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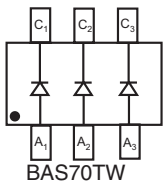

BAS70TW
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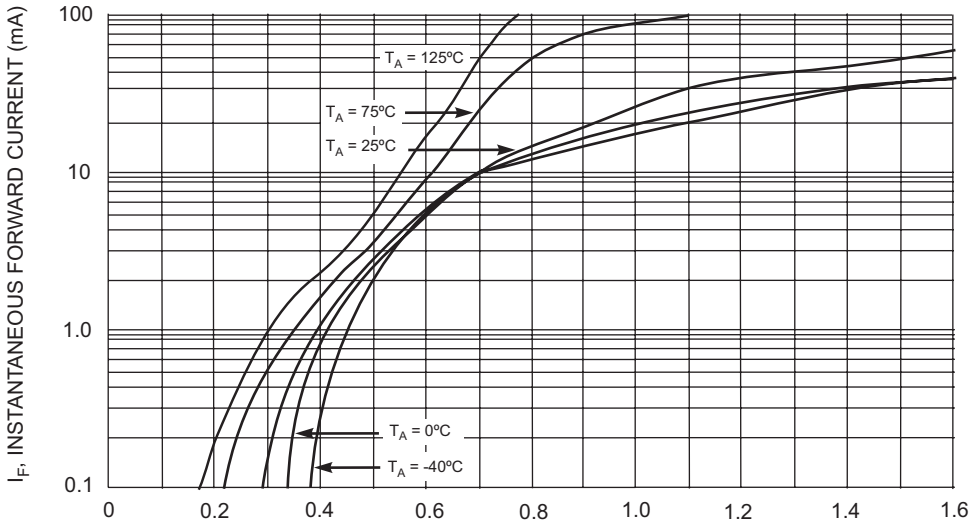

Fig. 1 Typical Forward Characteristics

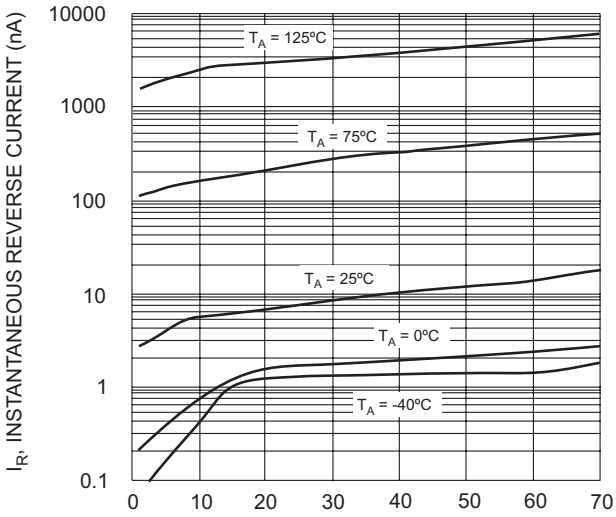

Fig. 2 Typical Reverse Characteristics

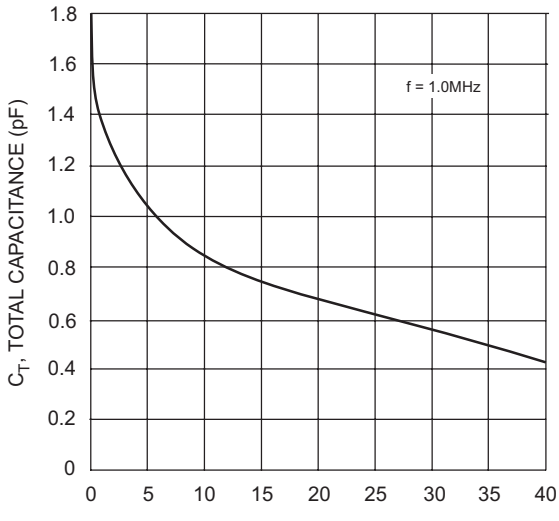

Fig. 3 Typical Capacitance

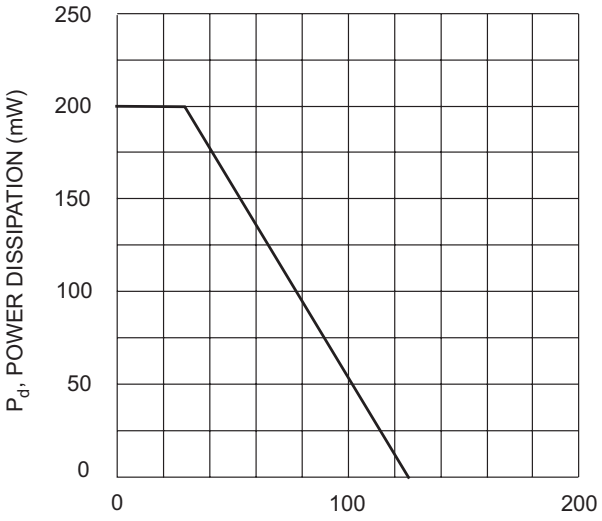

Fig. 4 Power Derating Curve, Total Package

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Ordering Information :

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

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- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

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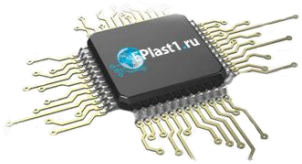
- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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