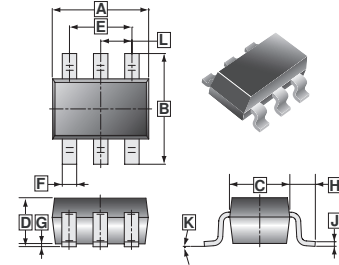


RoHS Compliant Product  
A suffix of "-C" specifies halogen & lead-free

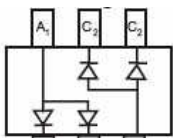
SOT-363



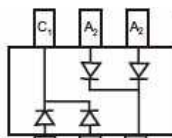
REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.00	2.20	G	0.100	REF.
B	2.15	2.45	H	0.525	REF.
C	1.15	1.35	J	0.08	0.15
D	0.90	1.10	K	8°	
E	1.20	1.40	L	0.650 TYP.	
F	0.15	0.35			

**FEATURES**

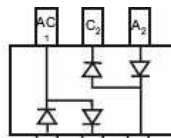
- ◆ Low Forward Voltage Drop
- ◆ Fast Switching



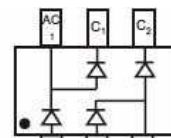
BAS70DW-06  
Marking: K76



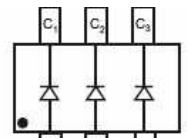
BAS70DW-05  
Marking: K71



BAS70DW-04  
Marking: K74



BAS70BRW  
Marking: K75



BAS70TW  
Marking: K73

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Rating 25°C ambient temperature unless otherwise specified.

TYPE NUMBER	SYMBOL	VALUE	UNIT
Peak Repetitive Peak Reverse Voltage	$V_{RRM}$	70	V
Working Peak Reverse Voltage	$V_{RWM}$	70	V
DC Blocking Voltage	$V_R$	70	V
Forward Continuous Current	$I_F$	70	mA
Peak Forward Surge Current @ <1.0s	$I_{FSM}$	100	mA
Power Dissipation	$P_D$	200	mW
Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	625	°C/W
Storage Temperature	$T_{STG}$	-55~150	°C

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Rating 25°C ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	MIN	MAX	UNIT	TEST CONDITION
Forward Voltage	$V_{F1}$	-	0.41	V	$I_F=1mA$
	$V_{F2}$	-	1	V	$I_F=15mA$
Reverse Current	$I_R$	-	100	nA	$V_R=50V$
Capacitance between Terminals	$C_T$	-	2	pF	$V_R=0V, f=1MHz$
Reverse Recovery Time	$t_{rr}$	-	5	ns	$I_F=I_R=10mA, I_{rr}=0.1 \times I_R, R_L=100\Omega$

**RATINGS AND CHARACTERISTIC CURVES**

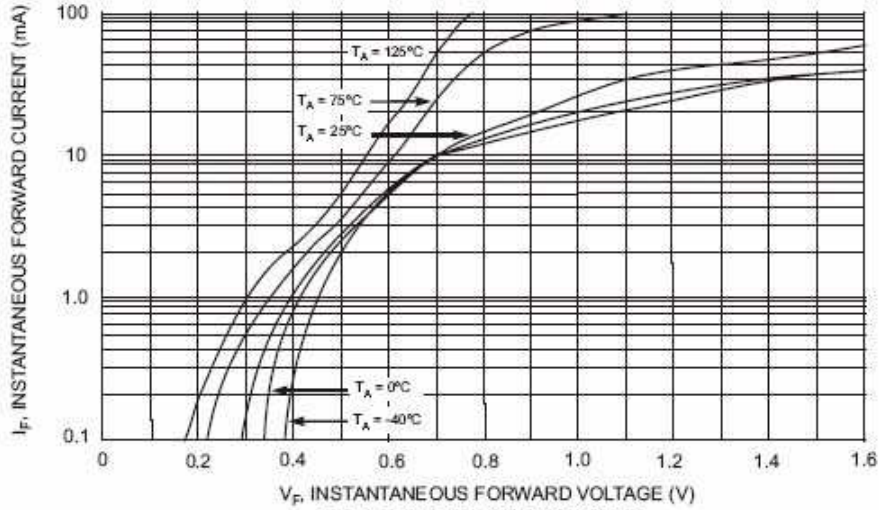


Fig. 1 Typical Forward Characteristics

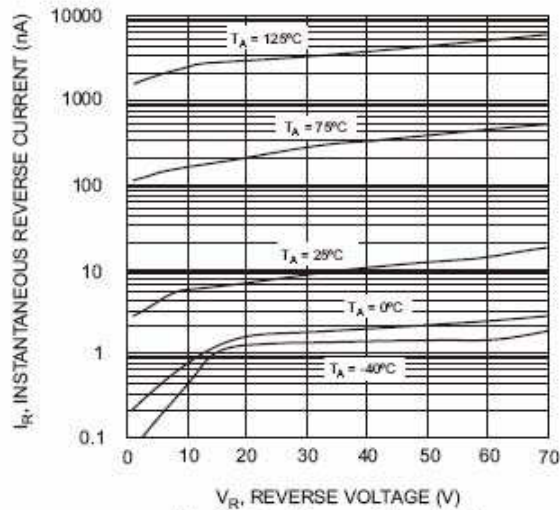


Fig. 2 Typical Reverse Characteristics

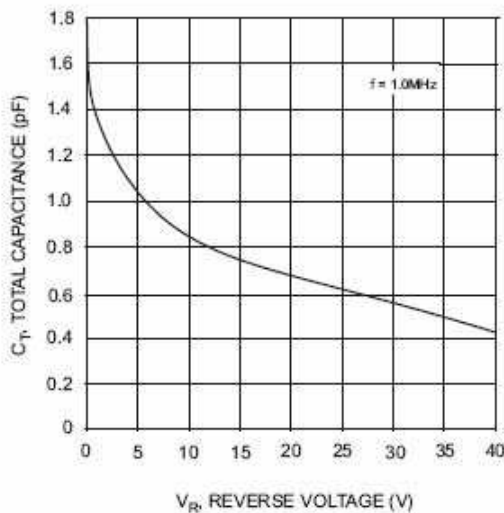


Fig. 3 Typical Capacitance

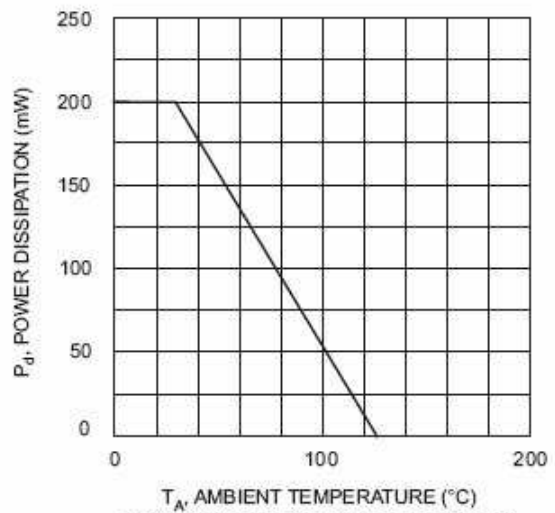


Fig. 4 Power Derating Curve, Total Package