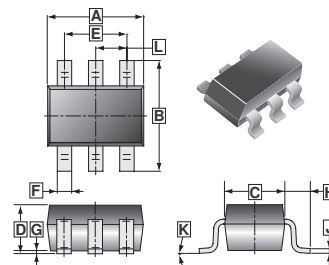


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

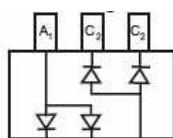
FEATURES

- ◆ Low Forward Voltage Drop
- ◆ Fast Switching

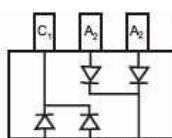
SOT-363



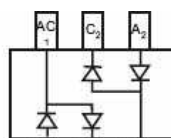
REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.00	2.20	G	0.100	REF.
B	2.15	2.45	H	0.525	REF.
C	1.15	1.35	J	0.08	0.15
D	0.90	1.10	K		8°
E	1.20	1.40	L	0.650	TYP.
F	0.15	0.35			



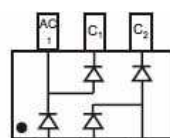
BAS70DW-06
Marking: K76



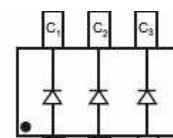
BAS70DW-05
Marking: K71



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

RATINGS AND CHARACTERISTIC CURVES

