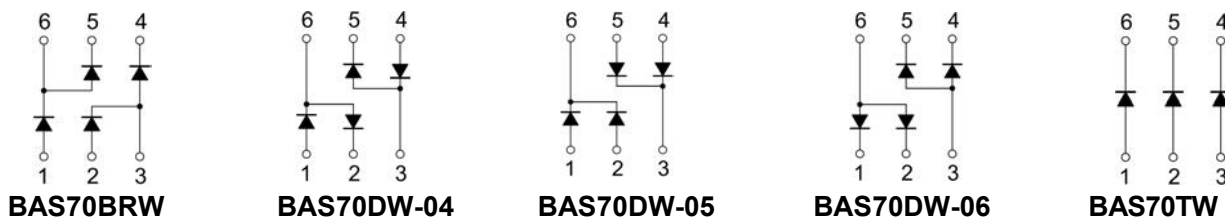
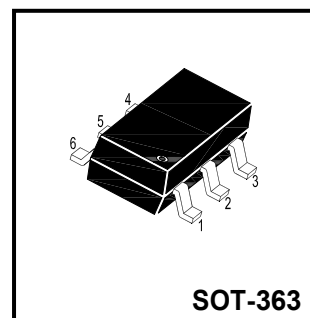


Plastic-Encapsulate Diodes

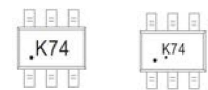
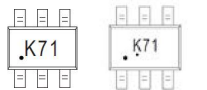
SCHOTTKY BARRIER DIODE ARRAYS

FEATURES

- Low Forward Voltage Drop
- Fast Switching
- Small Surface Mount Package
- PN Junction Guard Ring for Transient and ESD Protection
- Available in Lead Free Version



MARKING:

BAS70BRW	BAS70DW-04	BAS70DW-05	BA S70DW-06	BA S70TW
				

Solid dot = Green molding compound device, if none, the normal device.

Solid dot = Pin1 indicate.

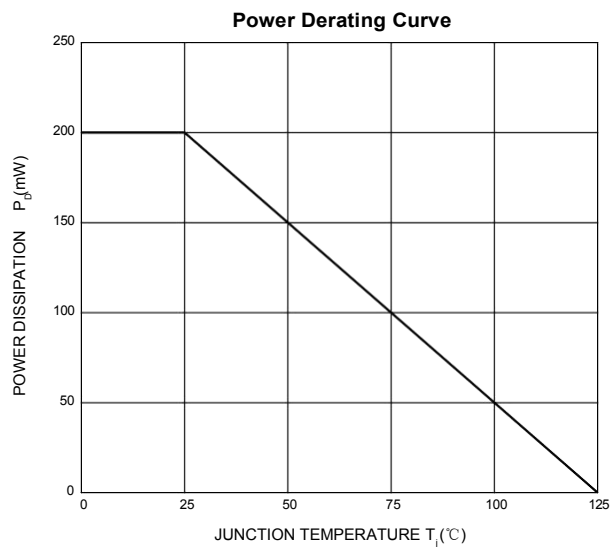
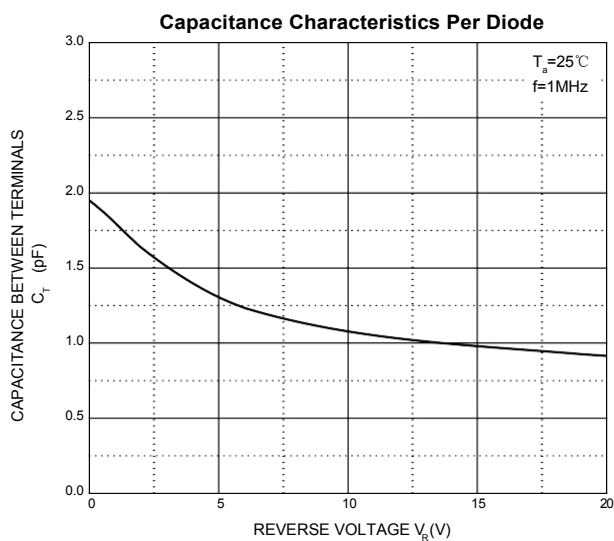
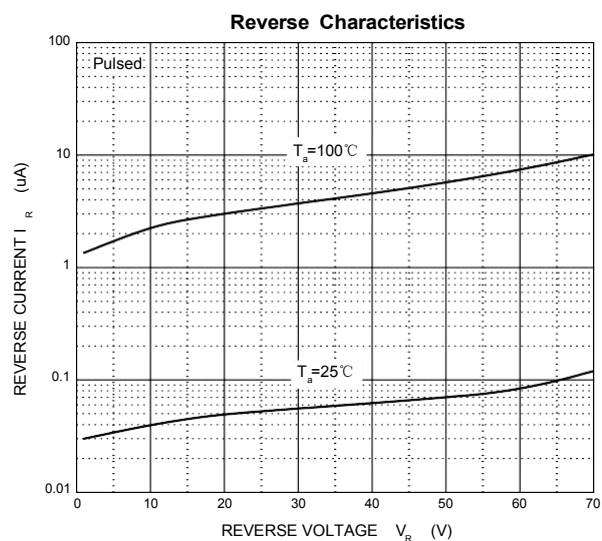
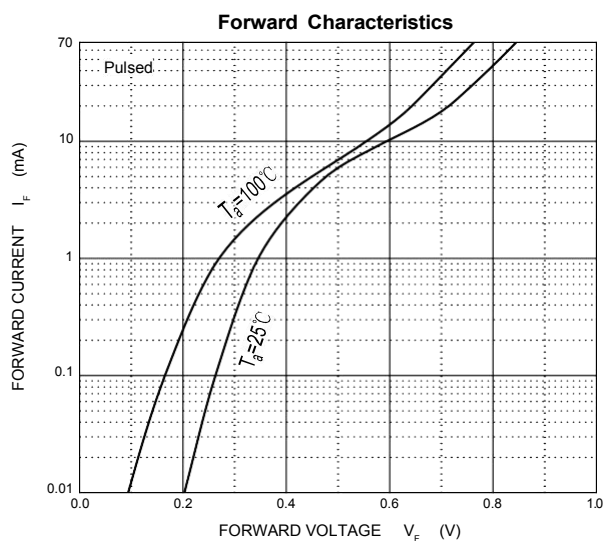
MAXIMUM RATINGS (Ta=25℃ unless otherwise noted)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	70	V
Peak Working Reverse Voltage	V_{RWM}		
DC Blocking Voltage	V_R		
RMS Reverse Voltage	$V_{R(RMS)}$	49	V
Forward Continuous Current	I_o	70	mA
Non-repetitive Peak Forward Surge Current @t=8.3ms	I_{FSM}	100	mA
Power Dissipation	P_D	200	mW
Thermal Resistance From Junction To Ambient	$R_{\theta JA}$	500	°C/W
Operating Junction Temperature Range	T_j	-40 ~ +125	°C
Storage Temperature Range	T_{stg}	-55 ~ +150	°C

ELECTRICAL CHARACTERISTICS (Ta=25 °C unless otherwise specified)

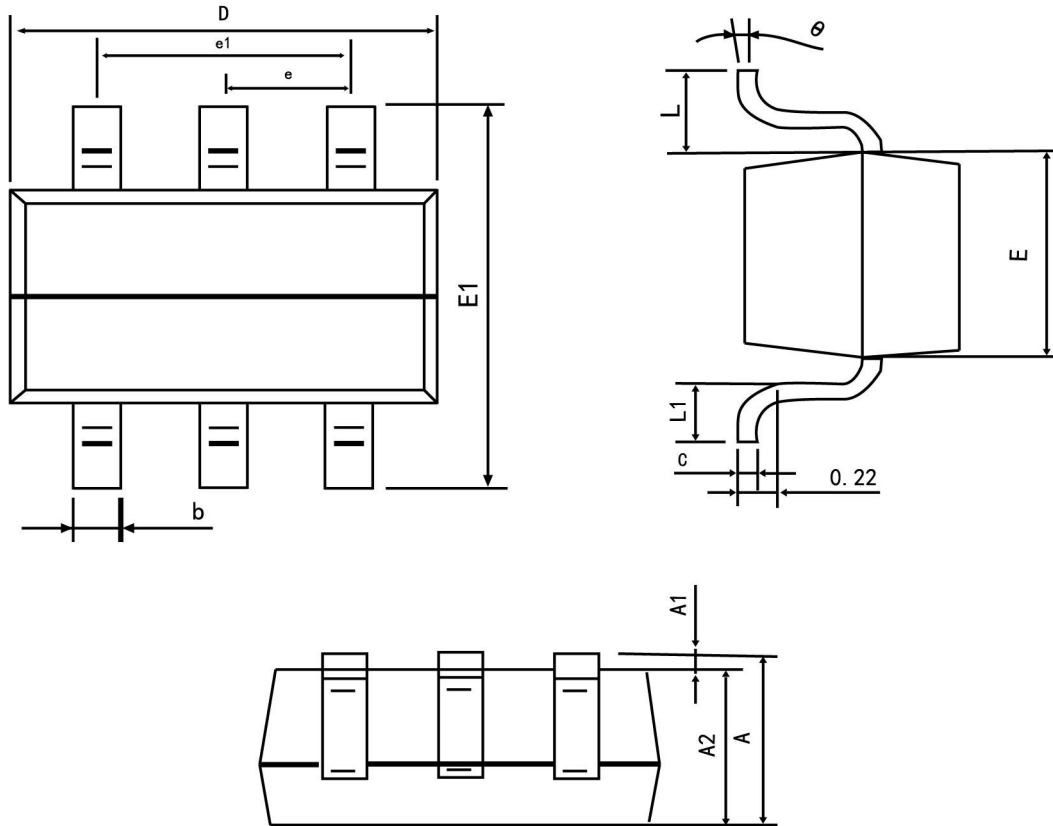
Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	$I_R=10\mu A$	70			V
Reverse current	I_R	$V_R=50V$			0.1	μA
Forward voltage	V_F	$I_F=1mA$			0.41	V
		$I_F=15mA$			1	
Total capacitance	C_{tot}	$V_R=0V, f=1MHz$			2	pF
Reverse recovery time	t_{rr}	$I_F=I_R=10mA$ to $I_R=1mA, I_{rr}=0.1 \times I_R, R_L=100\Omega$			5	ns

Typical Characteristics



Package Outline

SOT-363



Symbol	Dimension in Millimeters	
	Min	Max
A	0.900	1.100
A1	0.000	0.100
A2	0.900	1.000
b	0.150	0.350
c	0.080	0.150
D	2.000	2.200
E	1.150	1.350
E1	2.150	2.450
e	0.650 TYP	
e1	1.200	1.400
L	0.525 REF	
L1	0.260	0.460
θ	0°	8°

Summary of Packing Options

Package	Package Description	Packing Quantity	Industry Standard
SOT-363	Tape/Reel, 7" reel	3000	EIA-481-1