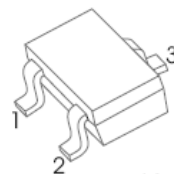




BAS70W/04/05/06 Plastic-Encapsulate Diodes

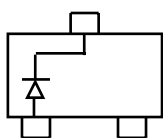
SCHOKKTY BARRIER DIODE



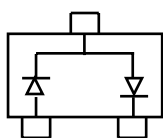
FEATURES

- Low turn-on voltage
- Fast switching
- Also available in lead free version

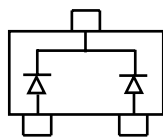
SOT-323



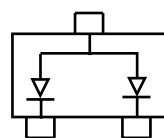
BAS70W Marking: K73



BAS70W-04 Marking: K74



BAS70W-05 Marking: K75



BAS70W-06 Marking: K76

MAXIMUM RATINGS @T_a=25°C

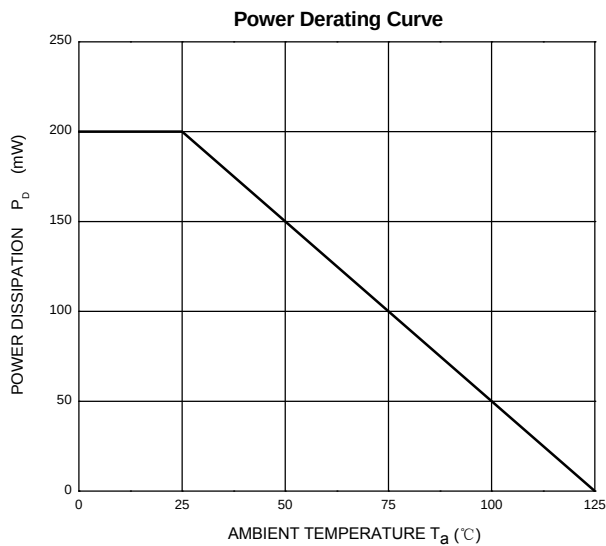
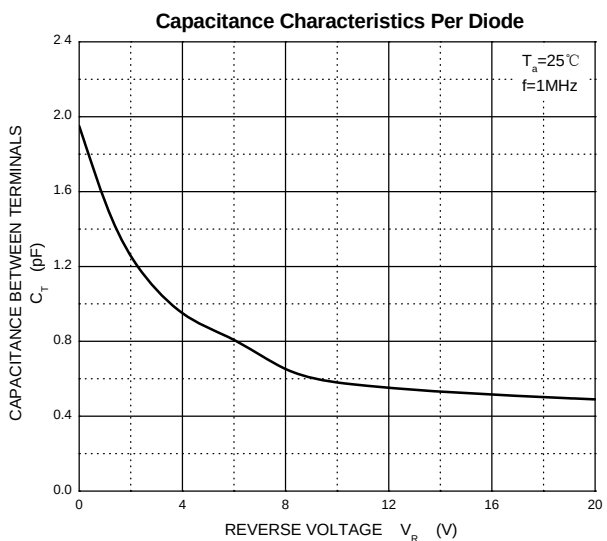
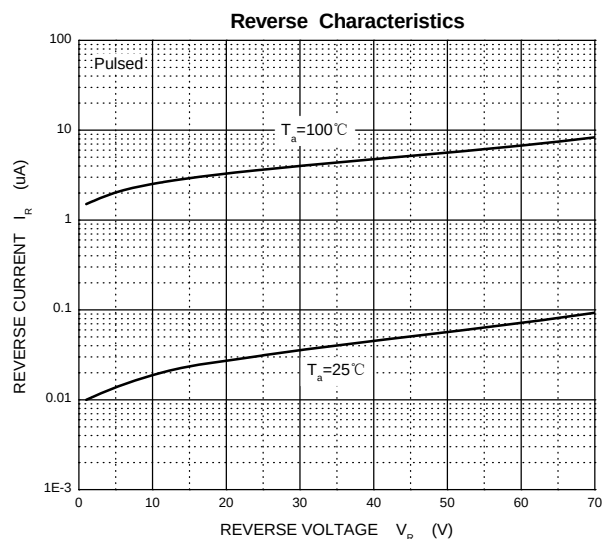
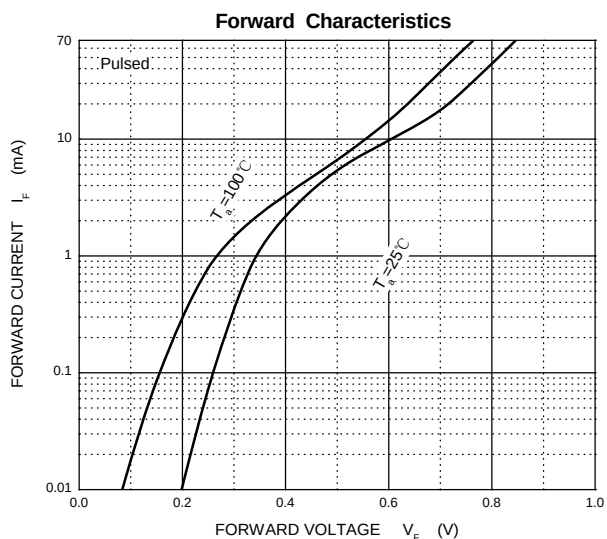
Symbol	Parameter	Value	Unit
V _R	DC Voltage	70	V
I _F	Forward Continuous Current	70	mA
I _{FSM}	Non-Repetitive Peak Forward Surge Current @ t = 8.3ms	100	mA
P _D	Power Dissipation	200	mW
R _{θJA}	Thermal Resistance from Junction to Ambient	500	°C/W
T _J	Junction Temperature	125	°C
T _{stg}	Storage Temperature	-55~+150	°C

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

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	V _(BR)	I _R = 10μA	70		V
Reverse voltage leakage current	I _R	V _R =50V		100	nA
Forward voltage	V _F	I _F =1mA I _F =15mA		410 1000	mV
Diode capacitance	C _D	V _R =0V,f=1MHz		2	pF
Reveres recovery time	t _{rr}	I _F =I _R =10mA,I _{rr} =0.1×I _R , R _L =100Ω		5	ns

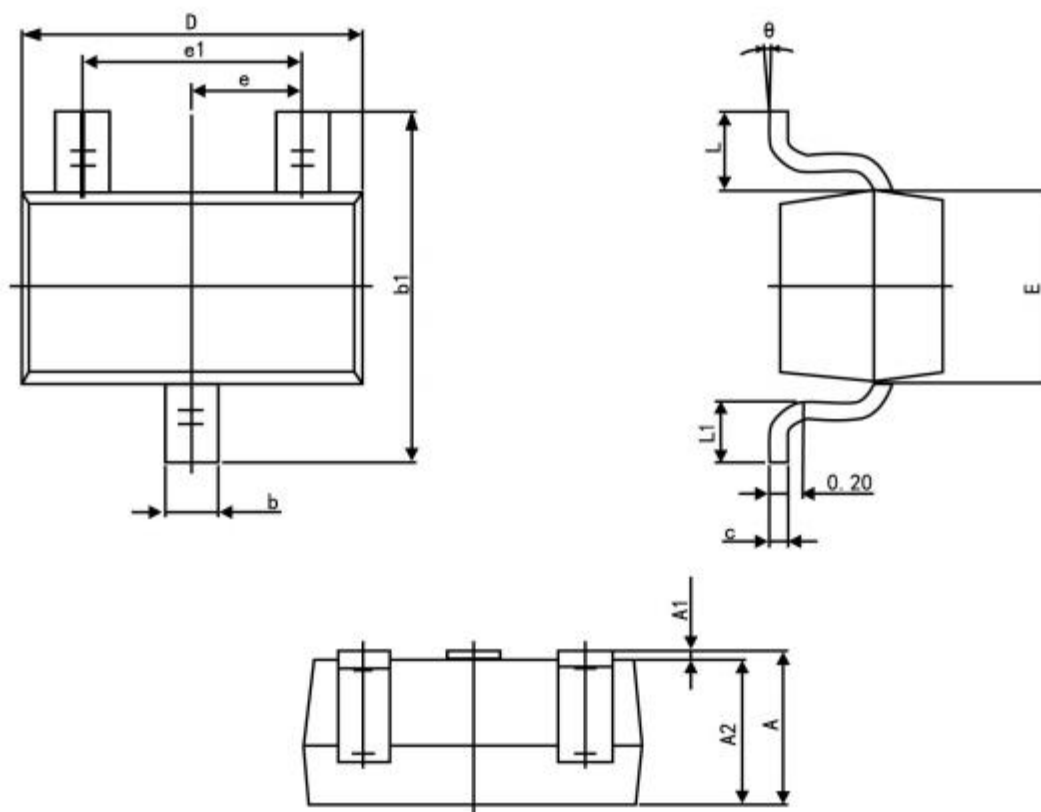


Typical Characteristics





SOT-323 Package Outline Dimensions



Symbol	Dimension in Millimeters	
	Min	Max
A	0.900	1.100
A1	0.000	0.100
A2	0.900	1.000
b	0.200	0.400
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°