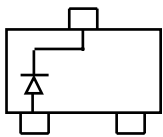
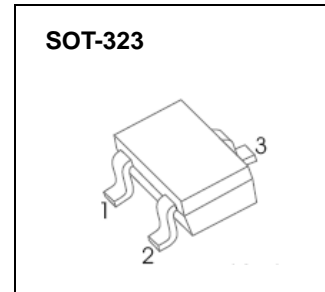


# Plastic-Encapsulate Diodes

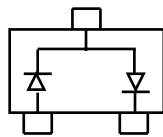
SCHOKKTY BARRIER DIODE

## FEATURES

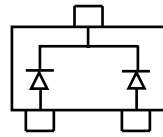
- Low turn-on voltage
- Fast switching
- Also available in lead free version



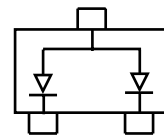
BAS70W Marking: K73



BAS70W-04 Marking: K74



BAS70W-05 Marking: K75



BAS70W-06 Marking: K76

## MARKING:

BAS70W	BAS70W-04	BAS70W-05	BAS70W-06

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

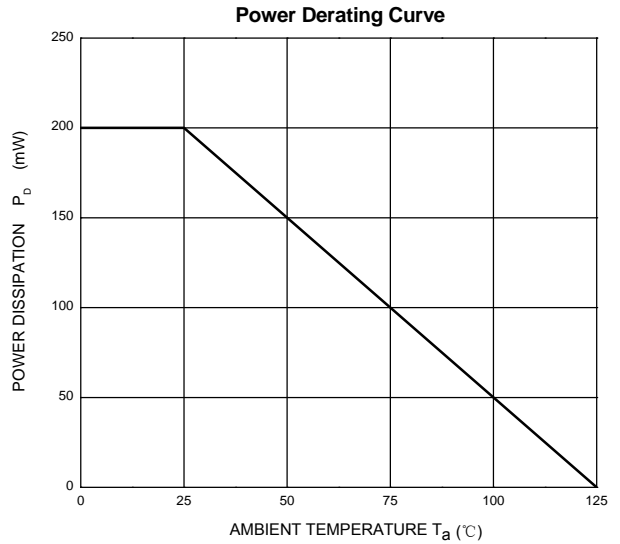
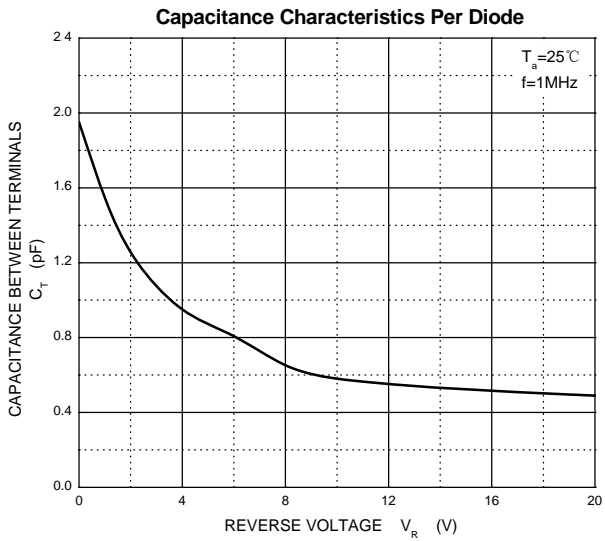
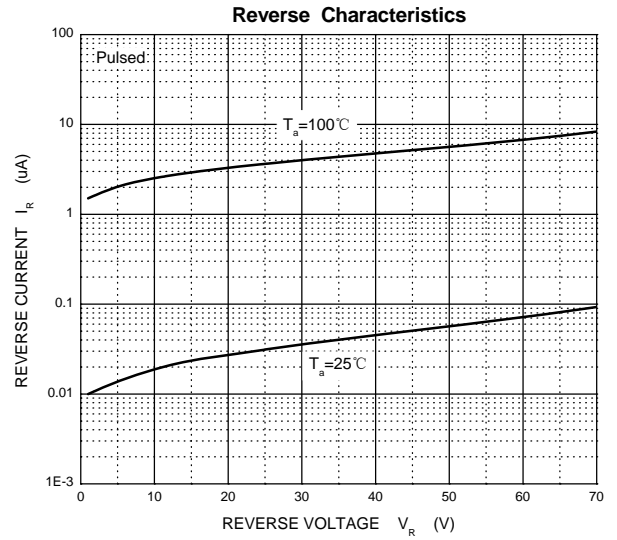
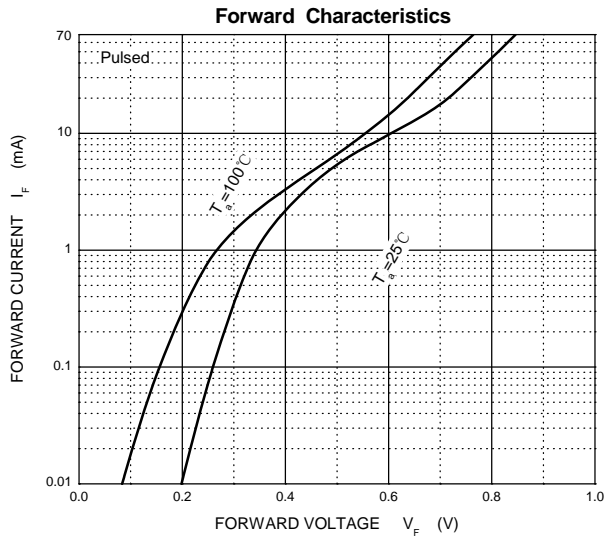
## MAXIMUM RATINGS @T<sub>a</sub>=25°C

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

## ELECTRICAL CHARACTERISTICS (T<sub>a</sub>=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	V <sub>(BR)</sub>	I <sub>R</sub> = 10μA	70		V
Reverse voltage leakage current	I <sub>R</sub>	V <sub>R</sub> =50V		100	nA
Forward voltage	V <sub>F</sub>	I <sub>F</sub> =1mA I <sub>F</sub> =15mA		410 1000	mV
Diode capacitance	C <sub>D</sub>	V <sub>R</sub> =0V, f=1MHz		2	pF
Reverse recovery time	t <sub>rr</sub>	I <sub>F</sub> =I <sub>R</sub> =10mA, I <sub>rr</sub> =0.1I <sub>R</sub> , R <sub>L</sub> =100Ω		5	ns

## Typical Characteristics



## **PACKAGE OUTLINE**

**Plastic surface mounted package; 3 leads**

**SOT-323**

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