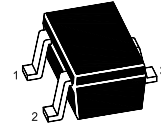


BAS70W / -04W / -05W / -06W

SURFACE MOUNT SCHOTTKY BARRIER DIODE

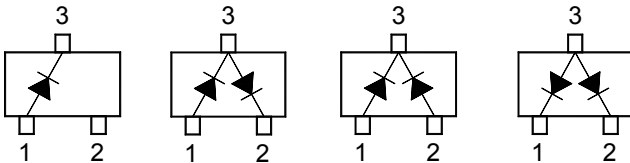
Features

- Low Turn-on Voltage
- Fast Switching



SOT-323 Plastic Package

BAS70W BAS70-04W BAS70-05W BAS70-06W



BAS70W Marking Code: **73**
 BAS70-04W Marking Code: **74**
 BAS70-05W Marking Code: **75**
 BAS70-06W Marking Code: **76**

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	70	V
DC Blocking Voltage	V _R	70	V
Forward Continuous Current	I _F	70	mA
Peak Forward Surge Current (at t _p ≤ 8.3 ms)	I _{FSM}	100	mA
Power Dissipation	P _d	200	mW
Junction Temperature	T _J	150	°C
Storage Temperature Range	T _{Stg}	- 65 to + 150	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at I _F = 1 mA at I _F = 15 mA	V _F	-	0.41	V
	V _F	-	1	V
Reverse Breakdown Voltage at I _R = 10 μA	V _{(BR)R}	70	-	V
Reverse Leakage Current at V _R = 50 V	I _R	-	100	nA
Junction Capacitance at V _R = 0 V, f = 1 MHz	C _J	-	2	pF
Reverse Recovery Time at I _F = I _R = 10 mA, I _{rr} = 0.1 I _R	t _{rr}	-	5	ns

