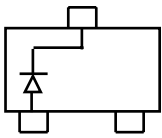


BAS70/-04/-05/-06 SWITCHING DIODE

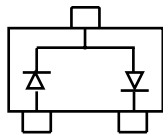
FEATURES

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

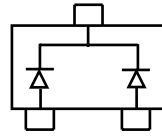
SOT-23



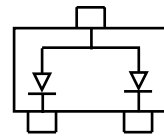
BAS70 Marking: 73



BAS70-04 Marking: 74



BAS70-05 Marking: 75



BAS70-06 Marking: 76

MAXIMUM RATINGS @T_A=25°C

Symbol	Parameter	Value	Units
V _R	DC Voltage	70	V
I _F	Forward Continuous Current	70	mA
P _D	Power dissipation	200	mW
T _J	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55-150	°C

ELECTRICAL CHARACTERISTICS (T_{amb}=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	V _{(BR)R}	I _R = 10μA	70		V
Reverse voltage leakage current	I _R	V _R =50V		120	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} =0.1xI _R , R _L =100Ω		5	nS

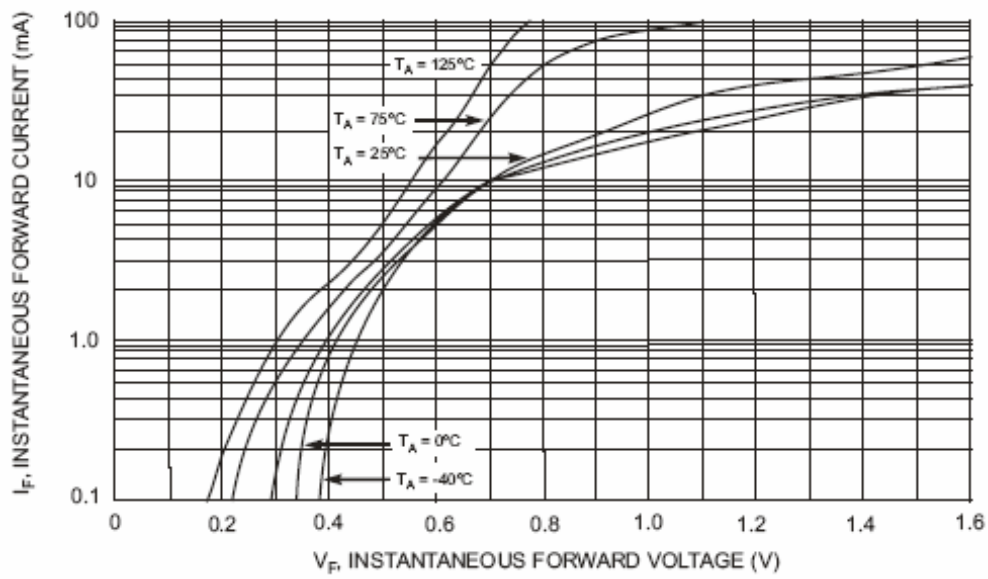


Fig. 1 Typical Forward Characteristics

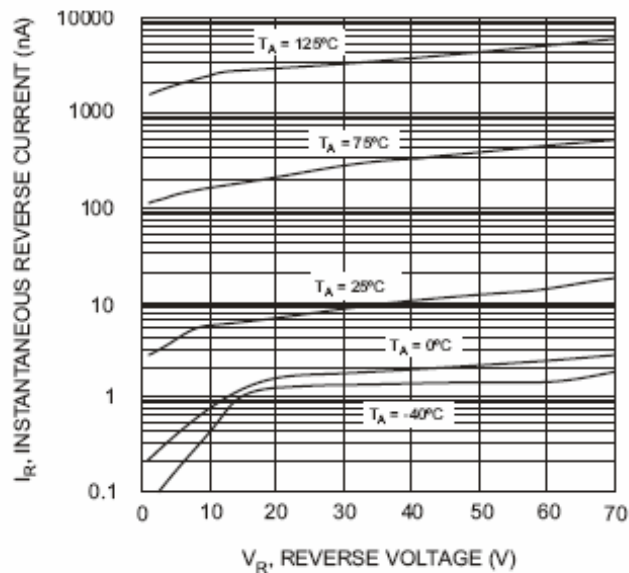


Fig. 2 Typical Reverse Characteristics