

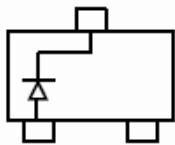
SWITCHING DIODE

FEATURES

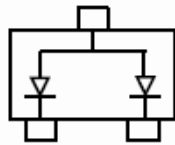
- Low Turn-on voltage
- Fast switching
- Also available in lead free version

BAS70/BAS70-04
BAS70-05/BAS70-06

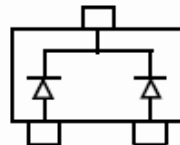
MARKING



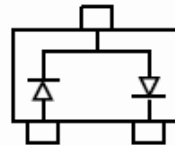
BAS70: 73



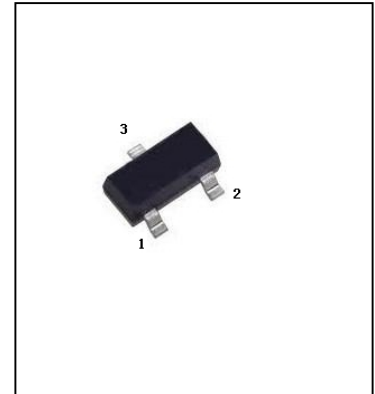
BAS70-04: 74



BAS70-05: 75



BAS70-06: 76



MAXIMUM RATINGS (TA=25°C unless otherwise noted)

Paramet	Symbol	Value	Unit
DC Voltage	VR	70	V
Forward Continuous Current	VF	70	mA
Power dissipation	PD	200	mW
Junction Temperature	TJ	150	°C
Storage Temperature	TSTG	-55-120	°C

Electrical Ratings @TA=25°C

Parameter	Symbol	Min.	Max.	Unit	Conditions
Reverse Breakdown Voltage	V(BR)R	70		V	IR=10μA
Reverse voltage leakage current	IR		120	nA	VR=50V
Forward voltage	VF		410 1000	mV	IF=1mA IF=15mA
Diode capacitance	CD		2	pF	VR=0V,f=1MHz
Reverse Recovery Time	trr		5	ns	IF=IR=10mA, Irr=0.1XIR,RL=100Ω

BAS70/BAS70-04
BAS70-05/BAS70-06

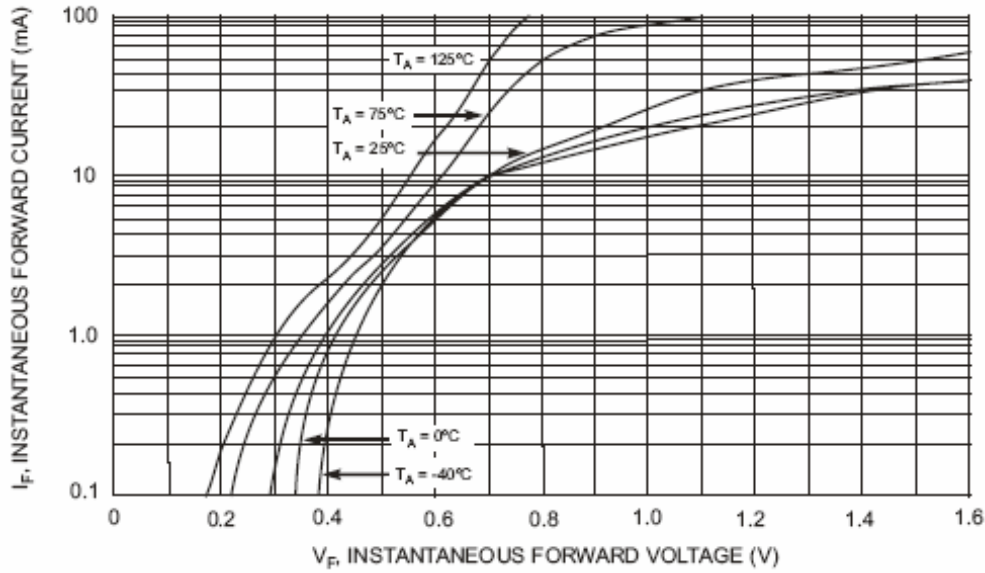


Fig. 1 Typical Forward Characteristics

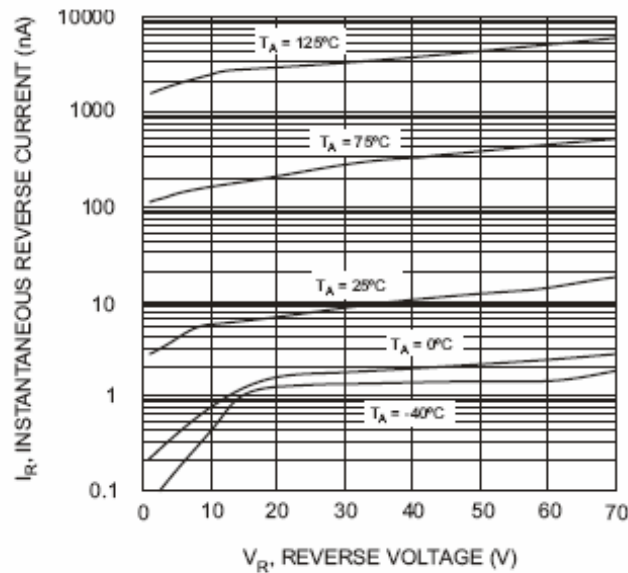


Fig. 2 Typical Reverse Characteristics