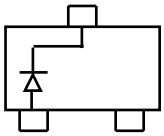
SCHOKKTY DIODE

SOT-323

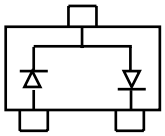


FEATURES

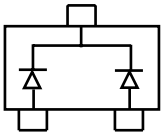
- Low Turn-on voltage
- Fast switching
- Also available in lead free version



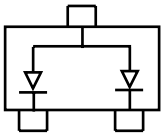
BAS70W Marking: K73



BAS70W-04 Marking: K74



BAS70W-05 Marking: K75



BAS70W-06 Marking: K76

MAXIMUM RATINGS @T_A=25℃

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	125	℃
T_{stg}	Storage Temperature	-55-150	℃

ELECTRICAL CHARACTERISTICS (Tamb=25℃ 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		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}=0.1xI_R, R_L=100Ω		5	nS

Typical Characteristics

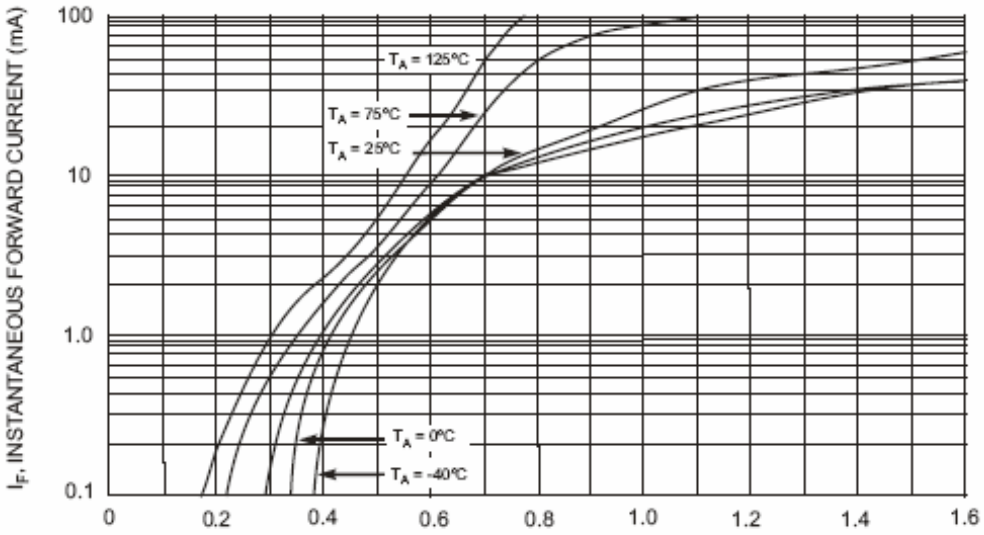


Fig. 1 Typical Forward Characteristics

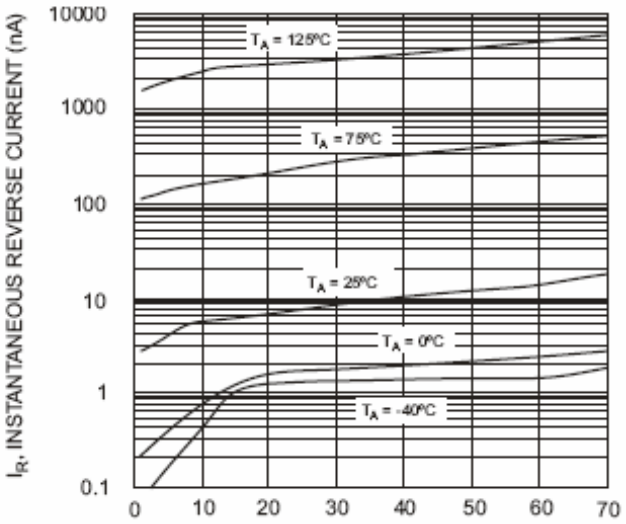


Fig. 2 Typical Reverse Characteristics