



JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

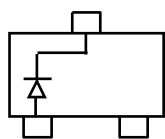
SOT-523 Plastic-Encapsulate DIODE

BAS70T/-04T/-05T/06T SCHOTTKY DIODE

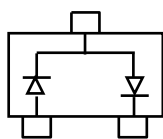
FEATURES

- Low Turn-on voltage
- Fast switching
- Ultra-small surface mount package
- Also available in lead free version

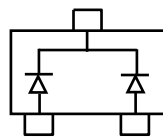
SOT-523



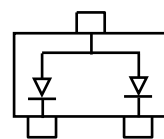
BAS70T Marking: 7C



BAS70-04T Marking: 7D



BAS70-05T Marking: 7E



BAS70-06T Marking: 7F

MAXIMUM RATINGS* $T_A=25^{\circ}\text{C}$ unless otherwise noted

Symbol	Parameter	Value	Units
V_R	DC Voltage	70	V
I_F	Forward Continuous Current	70	mA
P_d	Power dissipation	150	mW
T_J, T_{stg}	Junction and Storage Temperature	-55-150	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS ($T_{amb}=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)R}$	$I_R=10\mu\text{A}$	70		V
Reverse voltage leakage current	I_R	$V_R=50\text{V}$		100	nA
Forward voltage	V_F	$I_F=1\text{mA}$ $I_F=15\text{mA}$		410 1000	mV
Diode capacitance	C_D	$V_R=0\text{V}$ $f=1\text{MHz}$		2	pF
Reveres recovery time	t_{rr}	$I_F=I_R=10\text{mA}$, $I_{rr}=0.1I_R$, $R_L=100\Omega$		5	nS

Typical Characteristics

BAS70T/-04T/-05T/-06T

