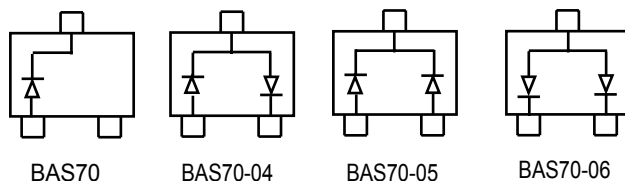




BAS70/-04/-05/-06 SWITCHING DIODE

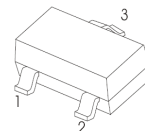
FEATURES

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



Marking

- BAS70 Marking: 73
- BAS70-04 Marking: 74
- BAS70-05 Marking: 75
- BAS70-06 Marking: 76



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MAXIMUM RATINGS @Ta=25°C

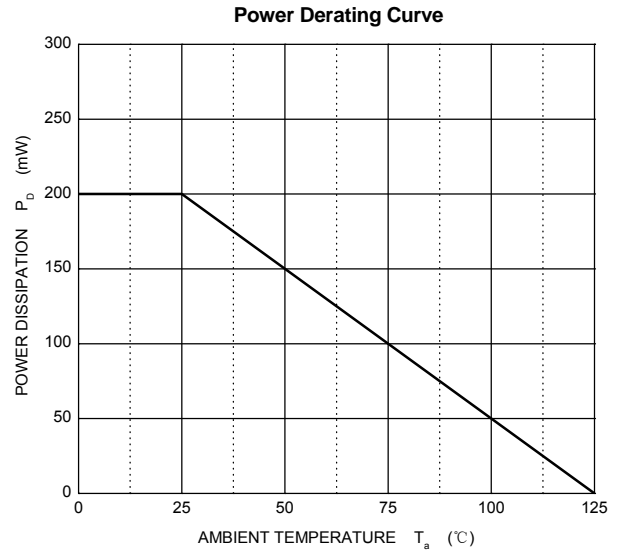
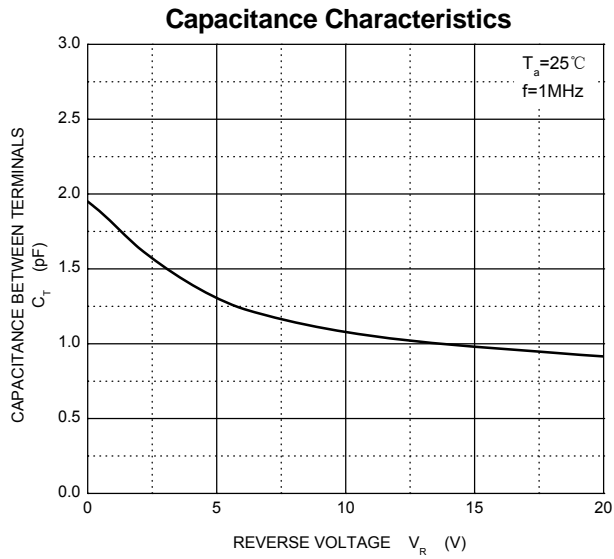
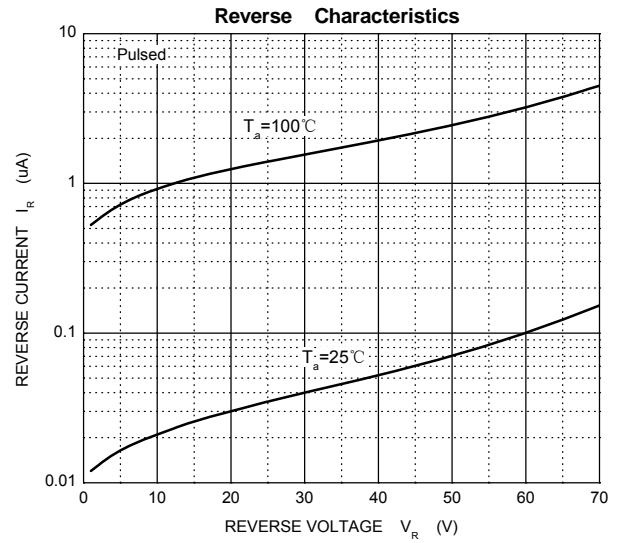
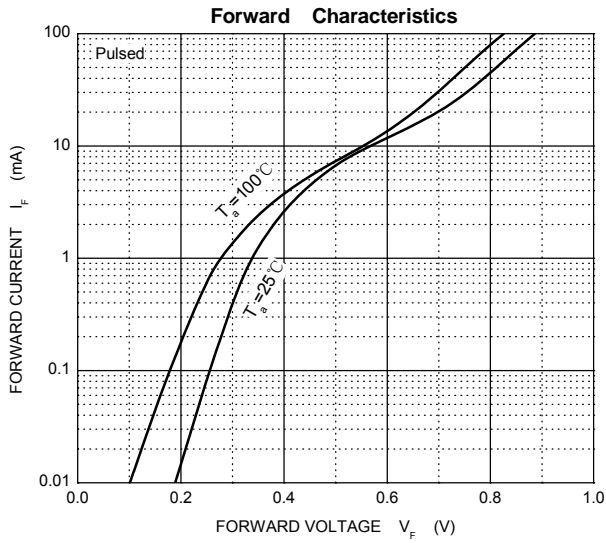
Symbol	Parameter	Value	Unit
V_R	DC Voltage	70	V
I_F	Forward Continuous Current	70	mA
I_{FSM}	Non-Repetitive Peak Forward Surge Current @ t = 8.3ms	100	mA
P_D	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance Junction to Ambient	500	°C/W
T_J	Junction Temperature	125	°C
T_{stg}	Storage Temperature	-55~+150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R = 10\mu A$	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
Reverse recovery time	t_{rr}	$I_F = I_R = 10mA, I_{rr} = 0.1 \times I_R,$ $R_L = 100\Omega$		5	ns



Typical Characteristics





PACKAGE OUTLINE

Plastic surface mounted package; 3 leads

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