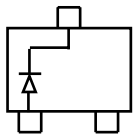
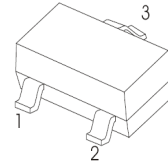


BAS70/-04/-05/-06 SWITCHING DIODE

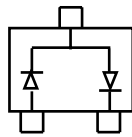
FEATURES

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

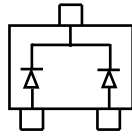
SOT-23



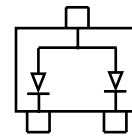
BAS70 Marking: 73



BAS70-04 Marking: 74



BAS70-05 Marking: 75



BAS70-06 Marking: 76

MARKING:

BAS70	BAS70-04	BAS70-05	BAS70-06

Solid dot = Green molding compound device, if none, the normal device.

MAXIMUM RATINGS @T_a=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 (T_a=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}	$I_F = I_R = 10mA$, $I_{rr} = 0.1I_R$, $R_L = 100\Omega$		5	ns

