



DONGGUAN NANJING ELECTRONICS LTD.,
SOT- 143 Plastic-Encapsulate Diodes

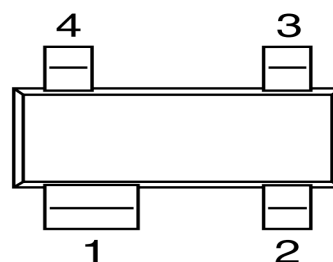
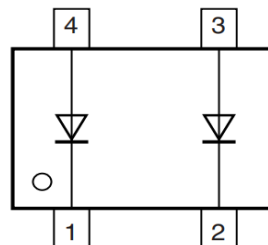
BAS70-07

SCHOTTKY BARRIER DIODE ARRAYS

FEATURES

- Low Forward voltage drop
- Fast switching

Marking: 77s



SOT143

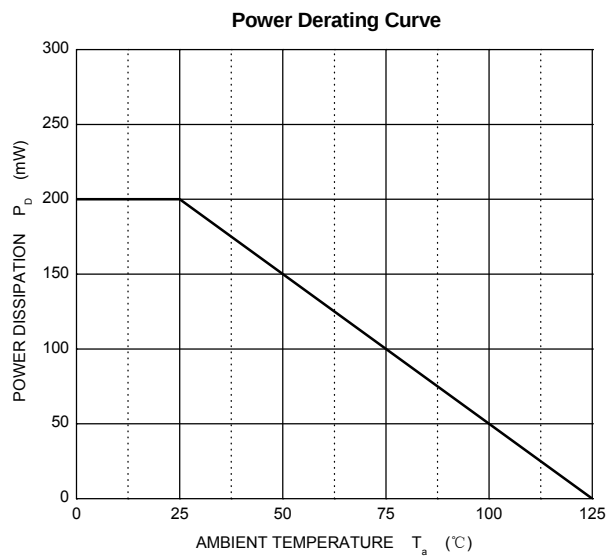
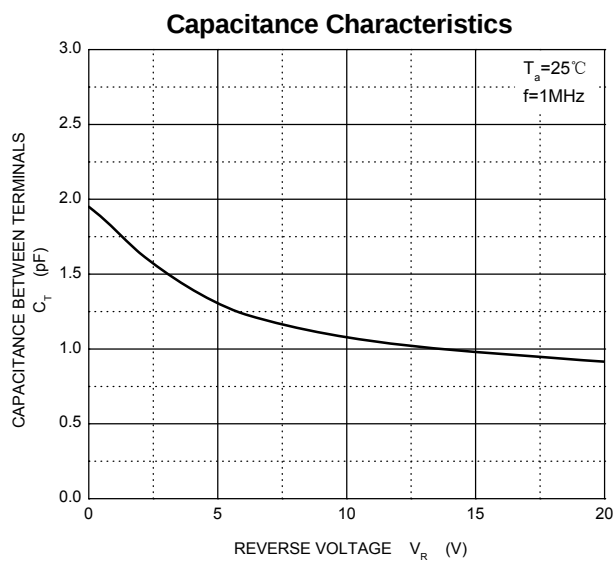
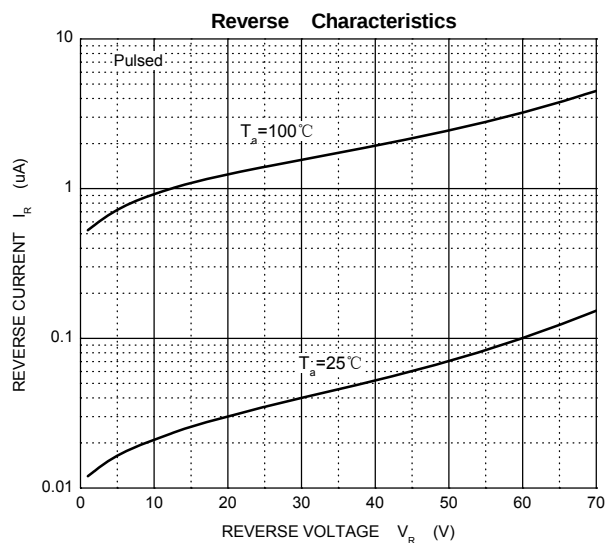
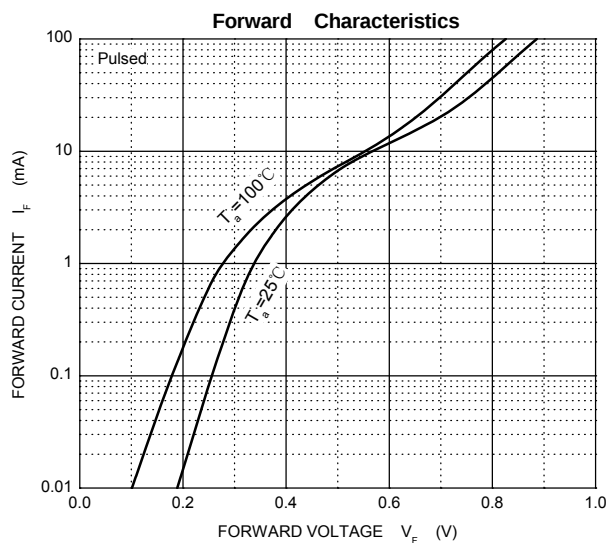
MAXIMUM RATINGS @Ta=25°C

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	$V_R = 50V$ $V_R = 70V$		100 100	nA uA
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

Typical Characteristics



SOT- 143 Package Outline Dimensions

Plastic surface mounted package

