

High Voltage Switching.

FEATURES

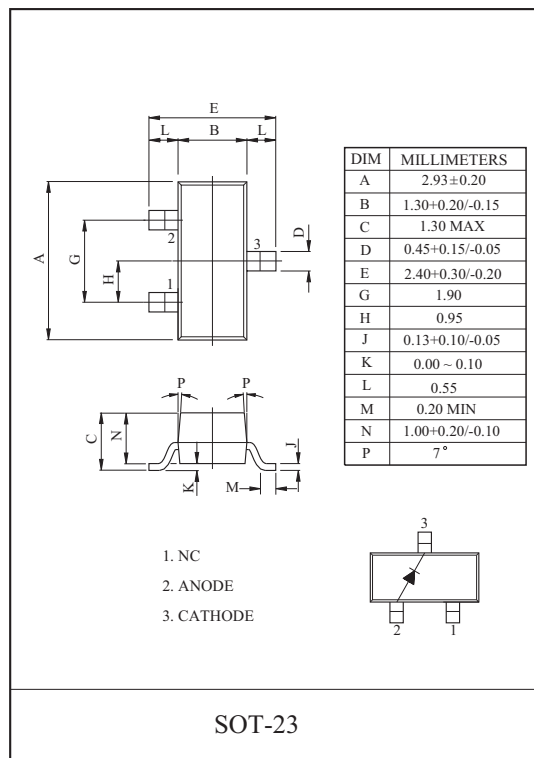
- High Reliability.
- Small surface mounting type (SOT-23).

MAXIMUM RATING (Ta=25)

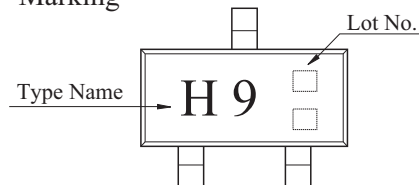
CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum (Peak) Reverse Voltage	V_{RM}	300	V
Reverse Voltage	V_R	250	V
Continuous Forward Current	I_F	250	mA
Surge Current (10mS)	I_{FSM}	2	A
Power Dissipation	P_D	250*	mW
		300**	
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

* Note1 : Package Mounted On FR-5 Board (25.4 × 19.05 × 1.57mm)

** Note2 : Package Mounted On 99.5% Alumina (10 × 8 × 0.6mm)



Marking

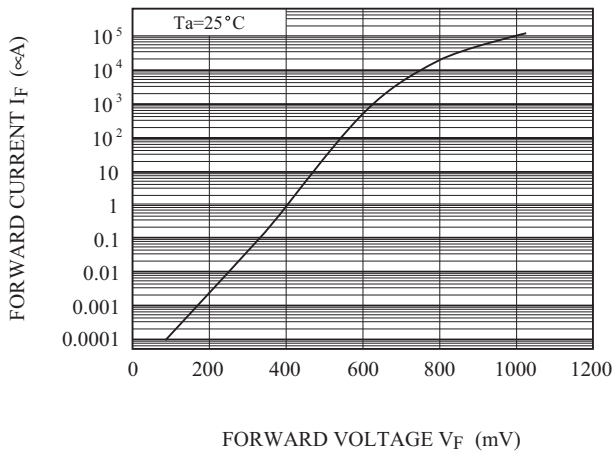


ELECTRICAL CHARACTERISTICS (Ta=25)

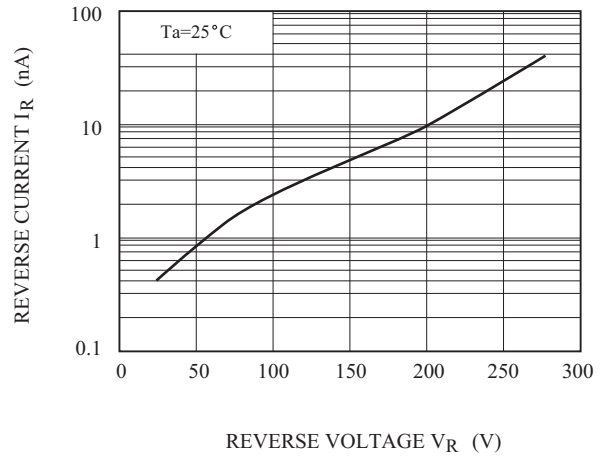
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	$I_F=150mA$	-	-	1.25	V
Reverse Current	$I_{R(1)}$	$V_R=250V$	-	-	0.2	μA
	$I_{R(2)}$	$V_R=300V$	-	-	100	
Total Capacitance	C_T	$V_R=0V, f=1MHz$	-	-	3	pF
Reverse Recovery Time	t_{rr}	$I_R=30mA, I_F=30mA$	-	-	100	nS

BAS21

$I_F - V_F$



$I_R - V_R$



$C_T - V_R$

