

High Voltage Switching.

### FEATURES

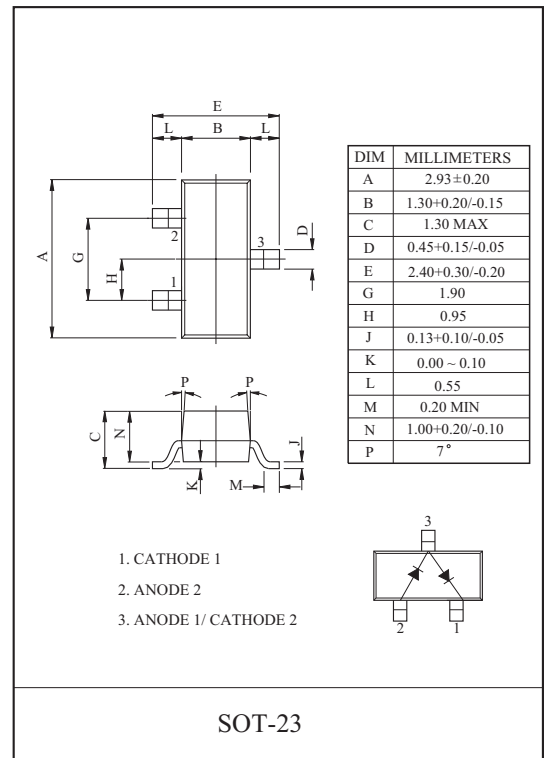
- High Reliability.
- Small surface mounting type (SOT-23).

### MAXIMUM RATING (Ta=25 )

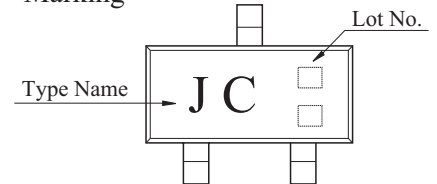
CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum (Peak) Reverse Voltage	$V_{RM}$	300	V
Reverse Voltage	$V_R$	250	V
Continuous Forward Current	$I_F$	200	mA
Surge Current (10mS)	$I_{FSM}$	2	A
Power Dissipation	$P_D$	225*	mW
		300**	
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	

\* 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

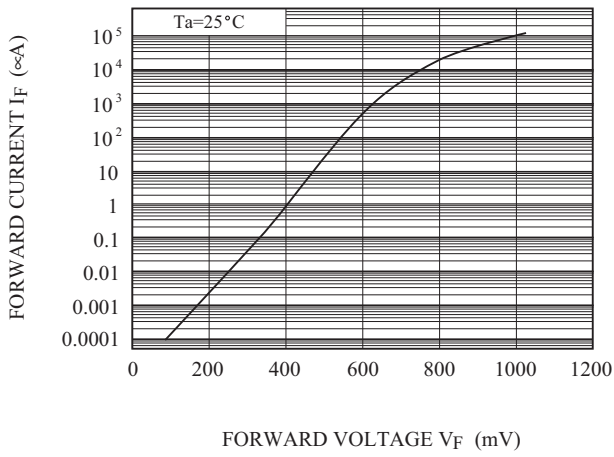


### ELECTRICAL CHARACTERISTICS (Ta=25 )

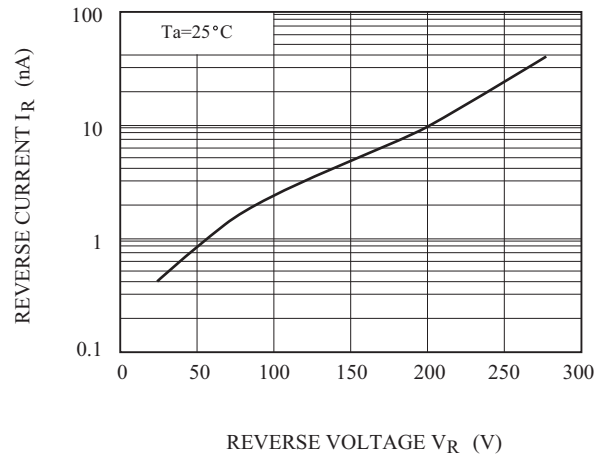
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_F$	$I_F=150mA$	-	-	1.25	V
Reverse Current	$I_{R(1)}$	$V_R=250V$	-	-	0.2	$\mu A$
	$I_{R(2)}$	$V_R=300V$	-	-	100	
Total Capacitance	$C_T$	$V_R=0V, f=1MHz$	-	-	3	pF
Reverse Recovery Time	$t_{rr}$	$I_R=30mA, I_F=30mA$	-	-	100	nS

# BAV23S

$I_F - V_F$



$I_R - V_R$



$C_T - V_R$

