

ULTRA HIGH SPEED SWITCHING APPLICATION

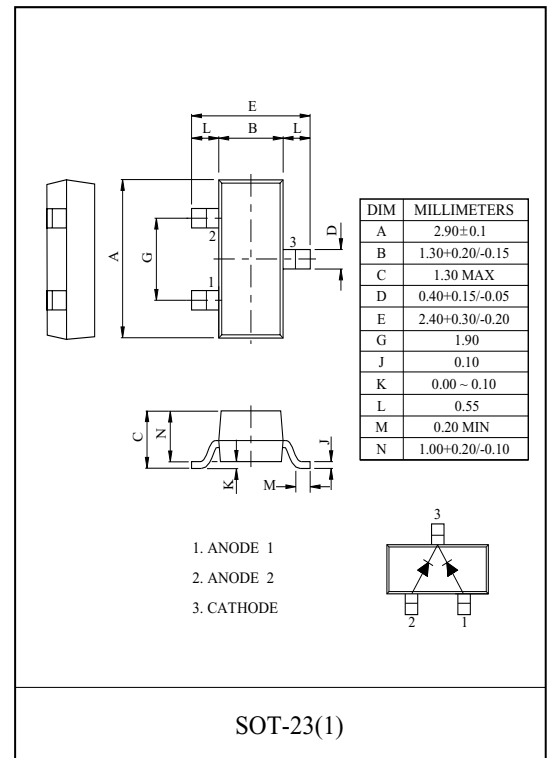
FEATURES

- Small Package : SOT-23(1).

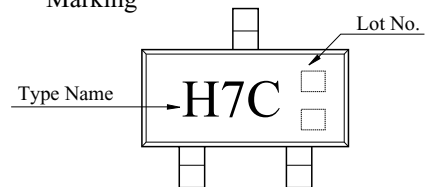
MAXIMUM RATING (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	80	V
Continuous Forward Current	I_F	100	mA
Surge Current (10ms)	I_{FSM}	1	A
Power Dissipation	P_D	225*	mW
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)



Marking

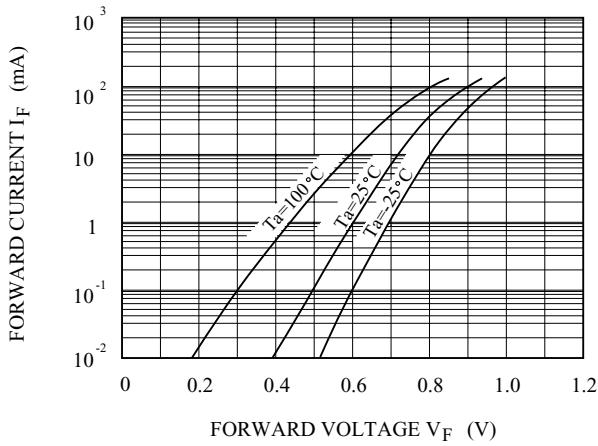


ELECTRICAL CHARACTERISTICS (Ta=25 °C)

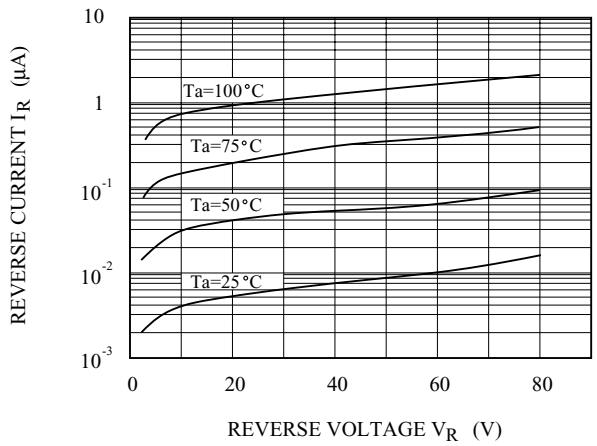
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	V_R	$I_R=100\mu A$	80	-	-	V
Forward Voltage	$V_{F(1)}$	$I_F=1mA$	-	0.59	0.65	V
	$V_{F(2)}$	$I_F=10mA$	-	0.72	0.8	
	$V_{F(3)}$	$I_F=100mA$	-	-	1.0	
Reverse Current	I_R	$V_R=80V$	-	-	1	μA
Total Capacitance	C_T	$V_R=0, f=1MHz$	-	2	3	pF

BAV70C

$I_F - V_F$



$I_R - V_R$



$C_T - V_R$

