

ULTRA HIGH SPEED SWITCHING APPLICATION.

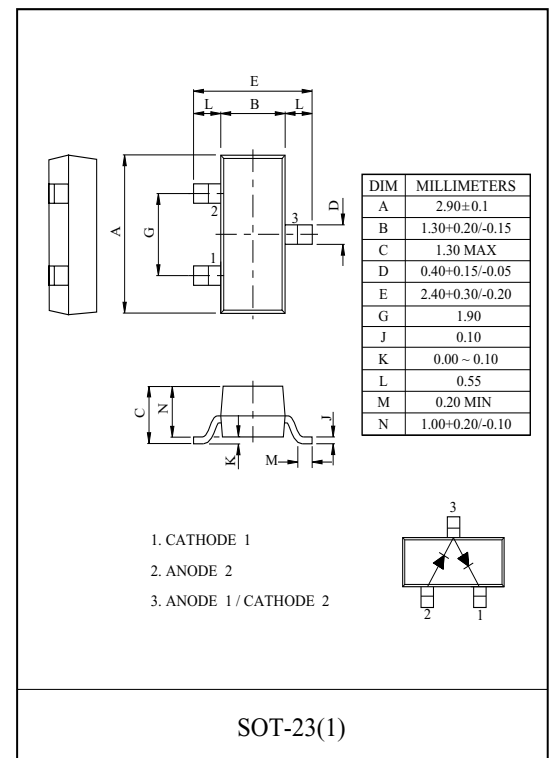
FEATURES

□ Small Package : SOT-23(1).

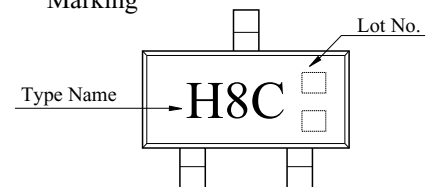
MAXIMUM RATING (Ta=25°C)

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	°C
Storage Temperature Range	T_{stg}	-55 ~ 150	°C

* 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	$V_{F(1)}$	$I_F=1mA$	-	0.61	0.65	V
	$V_{F(2)}$	$I_F=10mA$	-	0.74	0.8	
	$V_{F(3)}$	$I_F=150mA$	-	-	1.25	
Reverse Current	I_R	$V_R=80V$	-	-	0.5	μA
Total Capacitance	C_T	$V_R=0, f=1MHz$	-	-	4	pF

BAV99C

