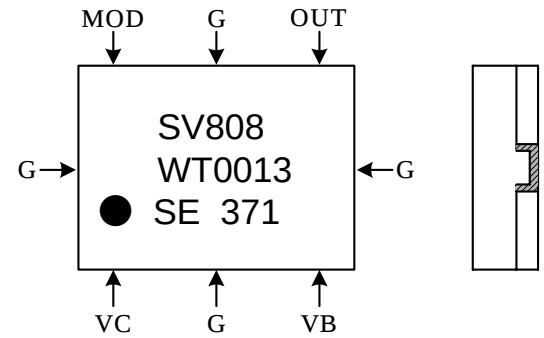
1.APPLICATION

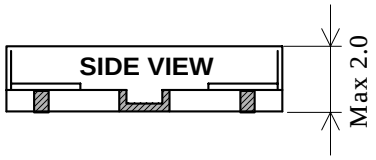
Radio microphone

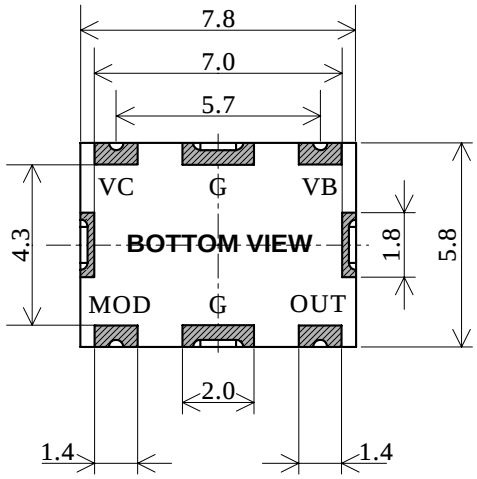
2.PART No.

SV808WT0013

3.DIMENSIONS





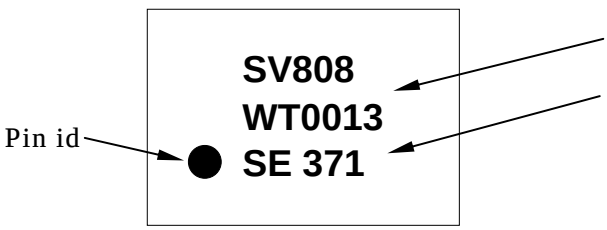


OUT : RF OUTPUT
VB : POWER SUPPLY
VC : CONTROL VOLT.
G : GROUND
MOD : MODULATION
NOTE:There is no mark of terminals on the case.

:Terminal electrodes.

Unit: mm
Tolerances :
Unless otherwise specified,+/-0.2mm

4.MARKING



PART No.

SE : Manufacture's Mark
3 : last numeral of production year
7 : production month 1,2,3...X,Y,Z
1 : product No.

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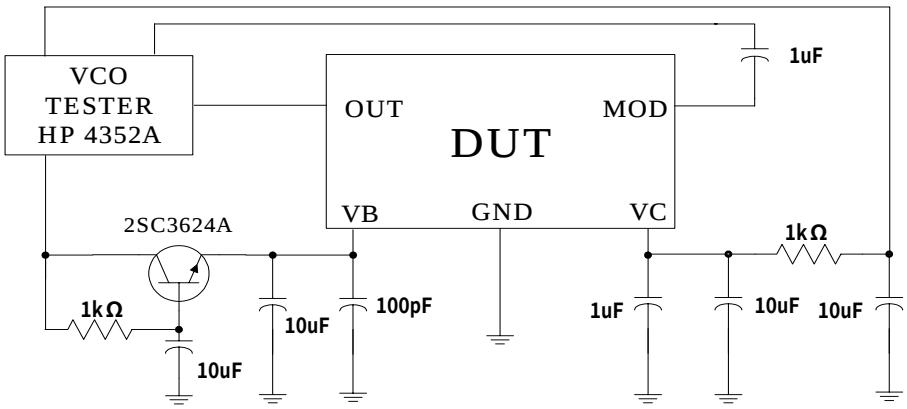
5.LIMITING VALUES

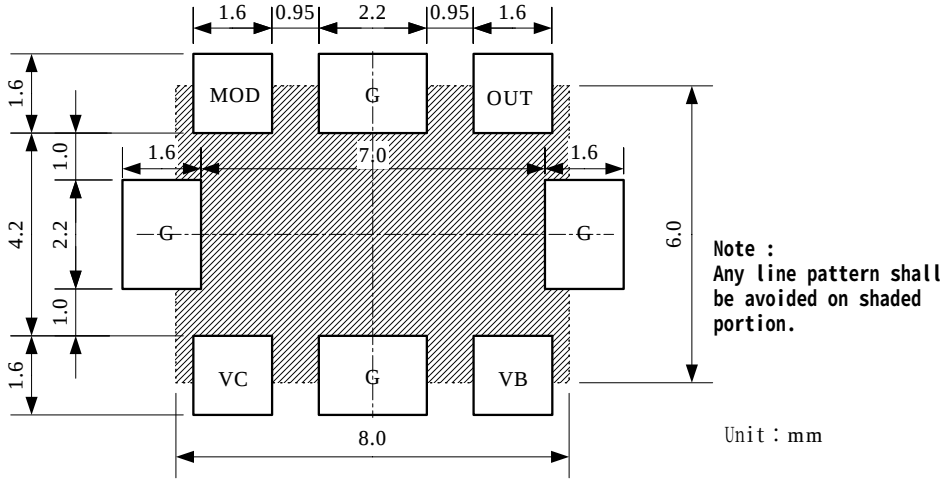
Item	Test Condition	Value			Unit
		min.	typ.	max.	
Supply Voltage	VB	2.3	2.5	2.7	V
Control Voltage Range	VC	0.5	1.25	2.0	V
Current Consumption	VB=2.5V, -10Deg.C up to +60Deg.C	-	7.5	10	mA
Oscillation Frequency	VC=0.5V, -10Deg.C up to +60Deg.C	-	791.5	798.0	MHz
	VC=2.0V, -10Deg.C up to +60Deg.C	818.0	823.5	-	
Control Voltage Sensitivity	VC=0.5V up to 2.0V average	17	21	25	MHz/V
Output Level	Load=50ohm, +25Deg.C+/-5Deg.C	-7.5	-5.0	-2.5	dBm
	Load=50ohm, -10Deg.C up to +60Deg.C	-8.0	-	-2.0	dBm
Phase Noise	offset=60kHz, -10Deg.C up to +60Deg.C	110	116	-	dBc/Hz
Audio Mod Sensitivity	fm=1kHz, Dev=+/-40kHz	0.2	0.4	0.6	Vrms
Pushing Figure	VB=2.5V+/-0.2V, ref=2.5V	-0.5	-	+0.5	MHz
Pulling Figure	VSWR=2 for all phase, ref=50ohm	-0.5	-	+0.5	MHz
Temperature Stability	-10Deg.C up to +60Deg.C, ref=+25Deg.C	-2	-	+2	MHz
Harmonic Suppression	Till Third harmonics	-	-28	-20	dBc
Operating Temp. Range		-10	-	+60	Deg.C
Storage Temp. Range		-40	-	+85	Deg.C

Note:Unless otherwise VB=2.5V,VC=1.25V,Ta=+25Deg.C+/-5Deg.C,Load=50ohm

6.MEASUREMENT PROCEDURE



7.RECOMMENDED LAND PATTERN



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