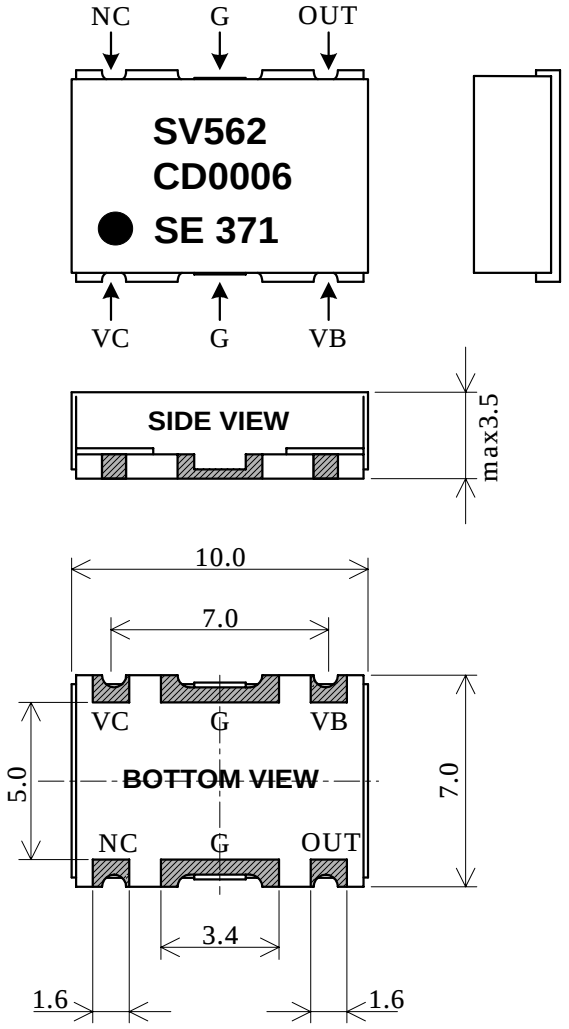
1.APPLICATION

W-CDMA IF

2.PART No.

SV562CD0006

3.DIMENSIONS

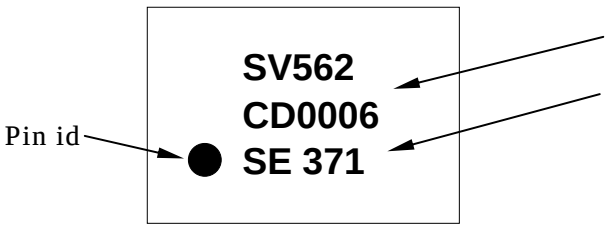


OUT : RF OUTPUT
VB : POWER SUPPLY
VC : CONTROL VOLT.
G : GROUND
NC : GROUND
NOTE : There is no mark of terminals on the case.

: Terminal electrodes

Unit : mm
Toleransces :
Unless otherwise specified, +/-0.3mm

4.MARKING



PART No.

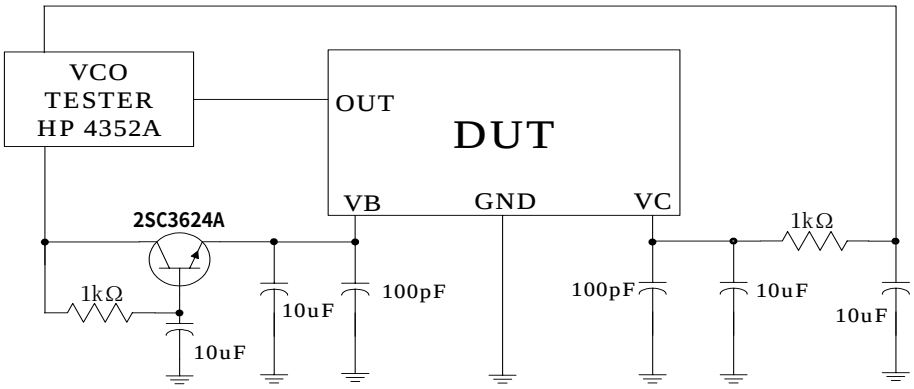
SE : Manufacture's Mark
3 : last numeral of production year
7 : production month 1,2,3...X,Y,Z
1 : product No.

5.LIMITING VALUES

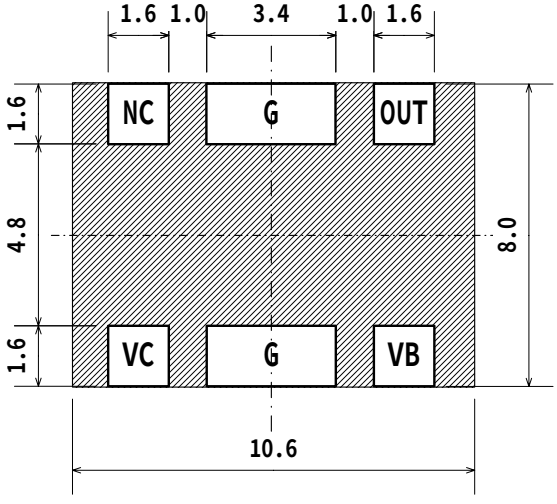
Item	Test Condition	Value			Unit
		min.	typ.	max.	
Supply Voltage	VB	2.85	3.0	3.15	V
Control Voltage Range	VC	0.5	1.5	2.5	V
Current Consumption	VB=3.0V, 0Deg.C up to +80Deg.C	-	6	10	mA
Oscillation Frequency	VC=0.5V, 0Deg.C up to +80Deg.C	-	557.0	562.32	MHz
	VC=2.5V, 0Deg.C up to +80Deg.C	562.32	568.0	-	
Control Voltage Sensitivity	VC=0.5V up to 2.5V average	4	5.5	-	MHz/V
Output Level	Load=50ohm, +25Deg.C+/-5Deg.C	-3.0	0.0	+3.0	dBm
	Load=50ohm, 0Deg.C up to +80Deg.C	-4.0	-	+4.0	dBm
Phase Noise	offset=10kHz, 0Deg.C up to +80Deg.C	100	105	-	dBc/Hz
Pushing Figure	VB=3.0V+/-0.15V, ref=3.0V	-0.5	-	+0.5	MHz
Pulling Figure	VSWR=2 for all phase, ref=50ohm	-0.5	-	+0.5	MHz
Temperature Stability	0Deg.C up to +80Deg.C, ref=+25Deg.C	-3	-	+3	MHz
Harmonic Suppression	Till Third harmonics	-	-23	-15	dBc
Operating Temp. Range		0	-	+80	Deg.C
Storage Temp. Range		-40	-	+85	Deg.C

Note:Unless otherwise VB=3.0V,VC=1.5V,Ta=+25Deg.C+/-5Deg.C,Load=50ohm

6.MEASUREMENT PROCEDURE



7.RECOMMENDED LAND PATTERN



Note :

Any line pattern shall be avoided on shaded portion.

Unit : mm