

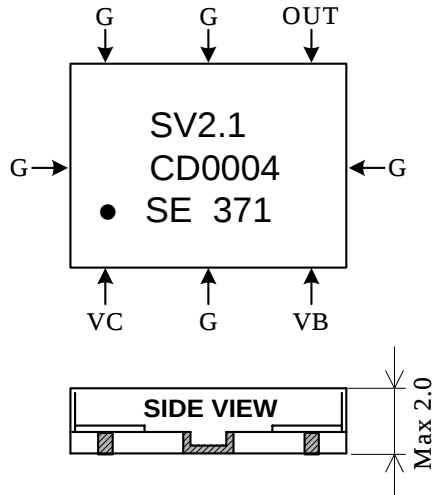
1. APPLICATION

W-CDMA AMP

2. PART No.

SV2.1CD0004

3. DIMENSIONS



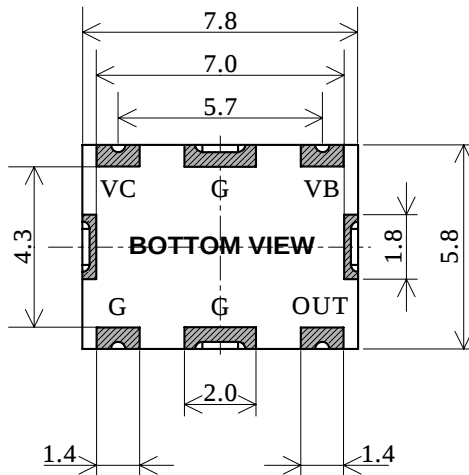
OUT : RF OUTPUT

VB : POWER SUPPLY

VC : CONTROL VOLT.

G : GROUND

NOTE: There is no mark of terminals on the case.



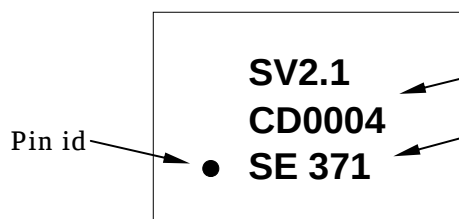
: Terminal electrodes.

Unit: mm

Tolerances :

Unless otherwise specified, ± 0.2 mm

4. MARKING



PART No.

SE : Manufacture's Mark

3 : last numeral of production year

7 : production month 1,2,3...X,Y,Z

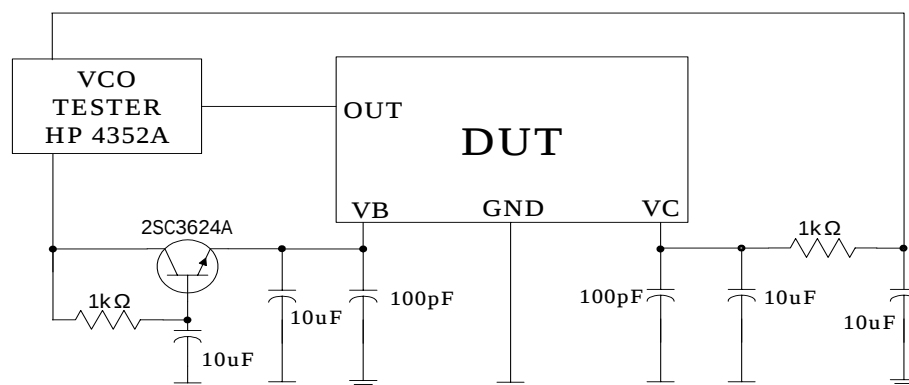
1 : product No.

5. LIMITING VALUES

Item	Test Condition	Value			Unit
		min.	typ.	max.	
Supply Voltage	VB	4.75	5.0	5.25	V
Control Voltage Range	VC	0.6	2.35	4.1	V
Current Consumption	VB=5.0V, -20Deg.C up to +85Deg.C	-	11	20	mA
Oscillation Frequency	VC=0.6V, -20Deg.C up to +85Deg.C	-	1960	2010	MHz
	VC=4.1V, -20Deg.C up to +85Deg.C	2180	2230	-	
Control Voltage Sensitivity	VC=0.6V up to 4.1V average	60	75	90	MHz/V
Output Level	Load=50ohm, +25Deg.C +/- 5Deg.C	-2.0	+2.0	+5.0	dBm
	Load=50ohm, -20Deg.C up to +85Deg.C	-3.0	-	+6.0	
Phase Noise	offset=10kHz, -20Deg.C up to +85Deg.C	85	93	-	dBc/Hz
Pushing Figure	VB=5.0V +/- 0.25V, ref=5.0V	-2.0	-	+2.0	MHz
Pulling Figure	VSWR=2 for all phase, ref=50ohm	-3.0	-	+3.0	MHz
Temperature Stability	-20Deg.C up to +85Deg.C, ref=+25Deg.C	-15	-	+12	MHz
Harmonic Suppression	Till Third harmonics	-	-15	-10	dBc
Operating Temp. Range		-20	-	+85	Deg.C
Storage Temp. Range		-40	-	+85	Deg.C

Note: Unless otherwise VB=5.0V, VC=2.35V, Ta=+25Deg.C +/- 5Deg.C, Load=50ohm

6. MEASUREMENT PROCEDURE



7. RECOMMENDED LAND PATTERN

