

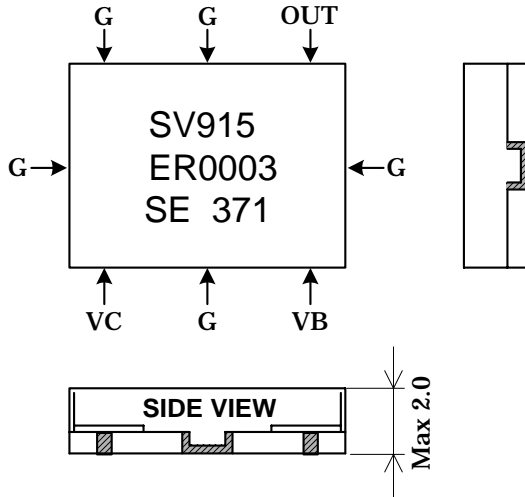
1. APPLICATION

RF-ID (USA)

2. PART No.

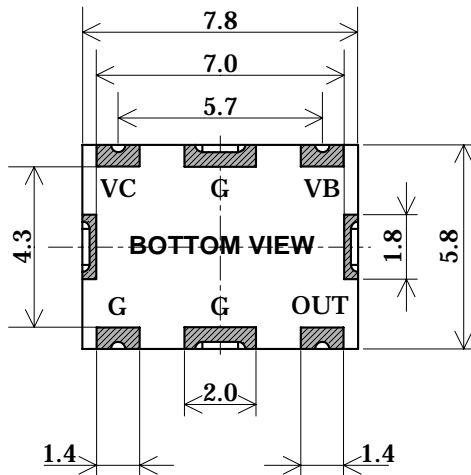
SV915ER0003

3. DIMENSIONS



OUT : RF OUTPUT
 VB : POWER SUPPLY
 VC : CONTROL VOLT.
 G : GROUND

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



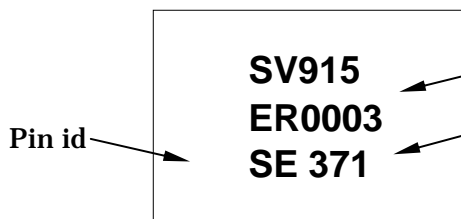
: Terminal electrodes.

Unit: mm

Tolerances :

Unless otherwise specified, +/-0.2mm

4. MARKING



PART No.

SE : Manufacture's Mark

3 : last numeral of production year

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

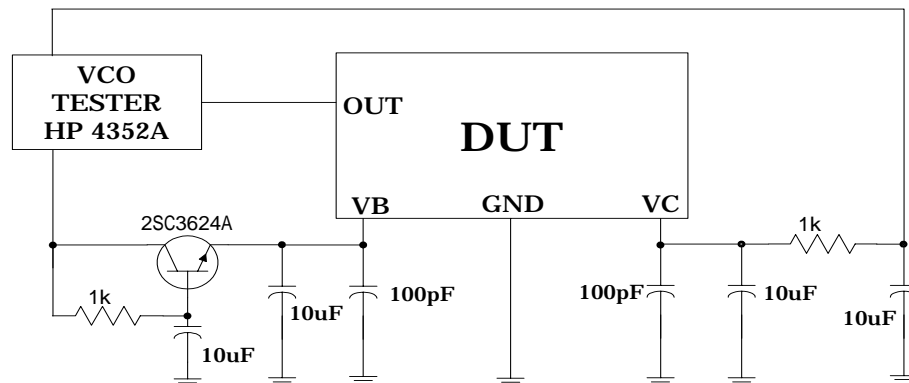
1 : product No.

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, -20Deg.C up to +70Deg.C	-	8	10	mA
Oscillation Frequency	VC=0.5V, -20Deg.C up to +70Deg.C	-	887	913	MHz
	VC=2.5V, -20Deg.C up to +70Deg.C	917	943	-	
Control Voltage Sensitivity	VC=0.5V up to 2.5V average	22	28	34	MHz/V
Output Level	Load=50ohm, +25Deg.C +/- 5Deg.C	-4.0	-1.0	+2.0	dBm
	Load=50ohm, -20Deg.C up to +70Deg.C	-5.0	-	+3.0	dBm
Phase Noise	offset=25kHz, -20Deg.C up to +70Deg.C	100	109	-	dBc/Hz
Pushing Figure	VB=3.0V +/- 0.15V, ref=3.0V	-1.0	-	+1.0	MHz
Pulling Figure	VSWR=2 for all phase, ref=50ohm	-1.0	-	+1.0	MHz
Temperature Stability	-20Deg.C up to +70Deg.C, ref=+25Deg.C	-5	-	+5	MHz
Harmonic Suppression	Till Third harmonics	-	-24	-10	dBc
Operating Temp. Range		-20	-	+70	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

