

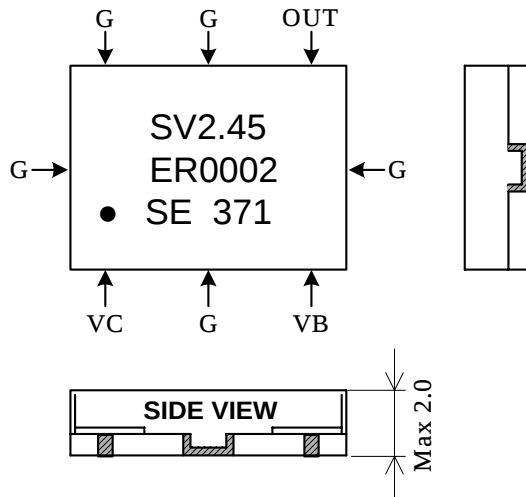
1. APPLICATION

RF-ID (Japan)

2. PART No.

SV2.45ER0002

3. DIMENSIONS



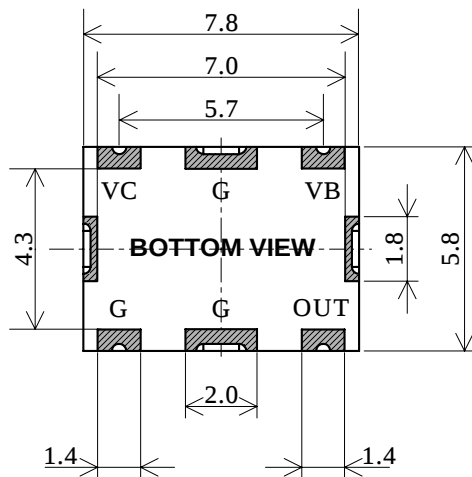
OUT : RF OUTPUT

VB : POWER SUPPLY

VC : CONTROL VOLT.

G : GROUND

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



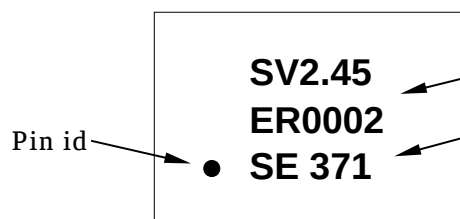
: Terminal electrodes.

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

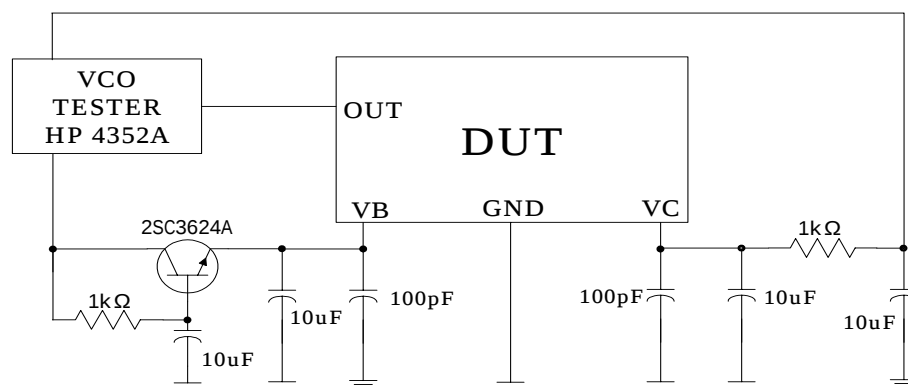
1 : product No.

5. LIMITING VALUES

Item	Test Condition	Value			Unit
		min.	typ.	max.	
Supply Voltage	VB	2.85	3.0	3.15	V
Control Voltage Range	VC	0.3	1.5	2.7	V
Current Consumption	VB=3.0V, -20Deg.C up to +70Deg.C	-	8	12	mA
Oscillation Frequency	VC=0.3V, -20Deg.C up to +70Deg.C	-	2365	2400	MHz
	VC=2.7V, -20Deg.C up to +70Deg.C	2485	2520	-	
Control Voltage Sensitivity	VC=0.3V up to 2.7V average	53	65	77	MHz/V
Output Level	Load=50ohm, +25Deg.C +/- 5Deg.C	-6.0	-3.0	0.0	dBm
	Load=50ohm, -20Deg.C up to +70Deg.C	-7.0	-	+1.0	
Phase Noise	offset=25kHz, -20Deg.C up to +70Deg.C	80	100	-	dBc/Hz
Pushing Figure	VB=3.0V +/- 0.15V, ref=3.0V	-3.0	-	+3.0	MHz
Pulling Figure	VSWR=2 for all phase, ref=50ohm	-4.0	-	+4.0	MHz
Temperature Stability	-20Deg.C up to +70Deg.C, ref=+25Deg.C	-12	-	+12	MHz
Harmonic Suppression	Till Third harmonics	-	-18	-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

