

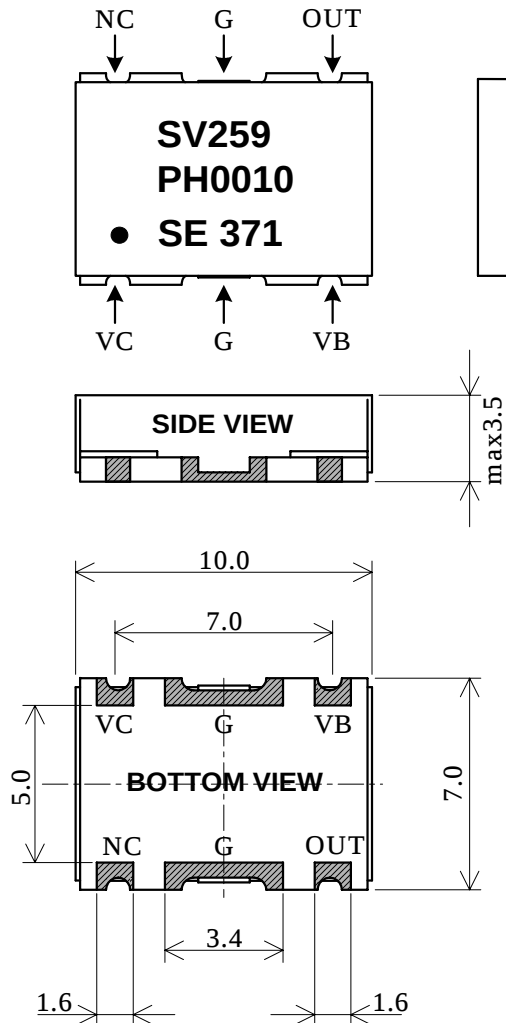
1. APPLICATION

PHS IF

2. PART No.

SV259PH0010

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.

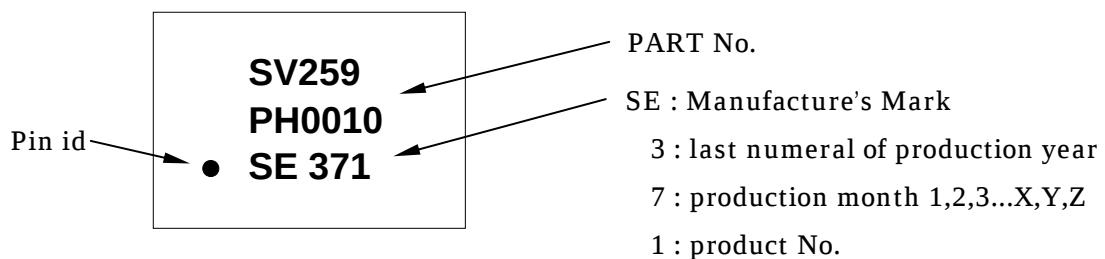
 : Terminal electrodes

Unit : mm

Tolerances :

Unless otherwise specified, ± 0.3 mm

4. MARKING

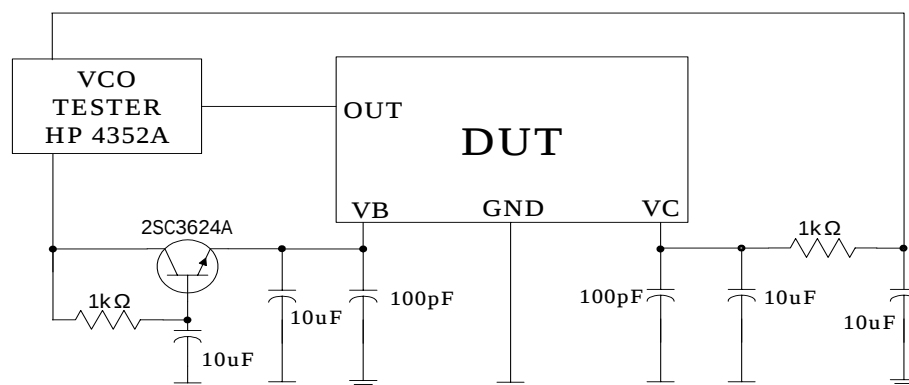


5. LIMITING VALUES

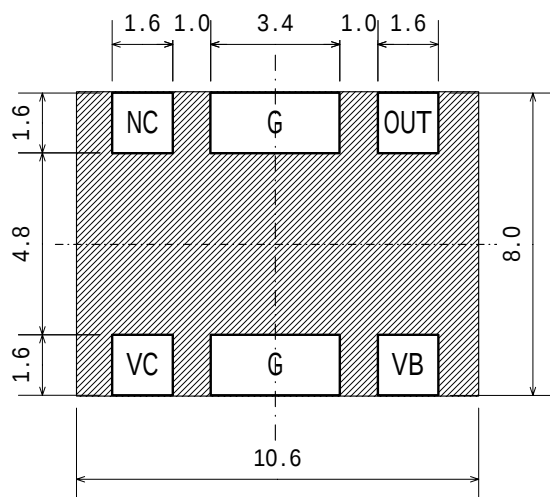
Item	Test Condition	Value			Unit
		min.	typ.	max.	
Supply Voltage	VB	2.8	3.0	3.2	V
Control Voltage Range	VC	0.5	1.5	2.5	V
Current Consumption	VB=3.0V, -20Deg.C up to +85Deg.C	-	8	10	mA
Oscillation Frequency	VC=0.5V, -20Deg.C up to +85Deg.C	-	252.2	256.2	MHz
	VC=2.5V, -20Deg.C up to +85Deg.C	262.2	266.2	-	
Control Voltage Sensitivity	VC=0.5V up to 2.5V average	5	7	9	MHz/V
Output Level	Load=50ohm, +25Deg.C +/- 5Deg.C	-2.0	0.0	+2.0	dBm
	Load=50ohm, -20Deg.C up to +85Deg.C	-3.0	-	+3.0	
Phase Noise	offset=25kHz, -20Deg.C up to +85Deg.C	113	118	-	dBc/Hz
Pushing Figure	VB=3.0V +/- 0.2V, ref=3.0V	-0.5	-	+0.5	MHz
Pulling Figure	VSWR=2 for all phase, ref=50ohm	-0.5	-	+0.5	MHz
Temperature Stability	-20Deg.C up to +85Deg.C, ref=+25Deg.C	-1.5	-	+1.5	MHz
Harmonic Suppression	Till Third harmonics	-	-18	-10	dBc
Operating Temp. Range		-20	-	+85	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