

## 1. Scope.

This specification applied to SV1212-5300R5V600M

## 2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	5±0.25	V
2	Tuning Voltage	Vt	0.45~12.0	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

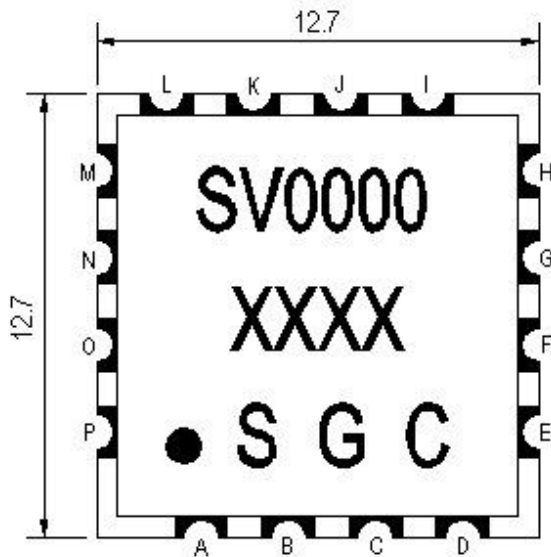
## 3. Electrical Characteristics

(Over output frequency range, T<sub>A</sub> -40 to +85°C, Vcc=5.0V, Output load 50Ω, Unless otherwise stated)

PARAMETER	SPEC.			UNIT	Test conditions
	Min	Typ	Max		
Supply Voltage		5		V	DC Voltage
Oscillator Frequency Range			5000	MHz	Vcc = 5.0V, Vt = 0.45V
	5600				Vcc = 5.0V, Vt = 12.0V
Supply Current			30	mA	Vcc = 5.0V, Vt = 5.5V
Output Power	-1	2	5	dBm	Vcc = 5.0V, Vt = 0.45V ~ 12.0V
SSB Phase Noise			90	dBc/Hz	10kHz offset, Vcc=5.0V, Vt = 5.5V
Harmonic Suppression(2 <sup>nd</sup> )			-10	dBc	Vcc = 5.0V, Vt = 5.5V
Tuning Sensitivity	55			MHz/V	Vt = 0.45V ~ 12.0V
Frequency Pulling	< 15			MHz	Vcc = 5.0V, Vt = 5.5V VSWR = 1.5 : 1 All phase
Frequency Pushing	< 5			MHz	Vcc = 5.0V ±0.25V, Vt= 5.5V
Input Capacitance				pF	

Testing temperature at 25±5°C

#### 4. Mechanical Characteristics



#### TITLE OF TERMINAL

A,C,D,E,F,G,H,I,K,L,M,O,P : Ground

N : Power Supply

J : Output Power

B : Control Voltage

\* Unit : mm

