

## 1. Scope.

This specification applied to SV1212-1800R10V340M

## 2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	10±0.25	V
2	Tuning Voltage	Vt	2.0~10.0	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

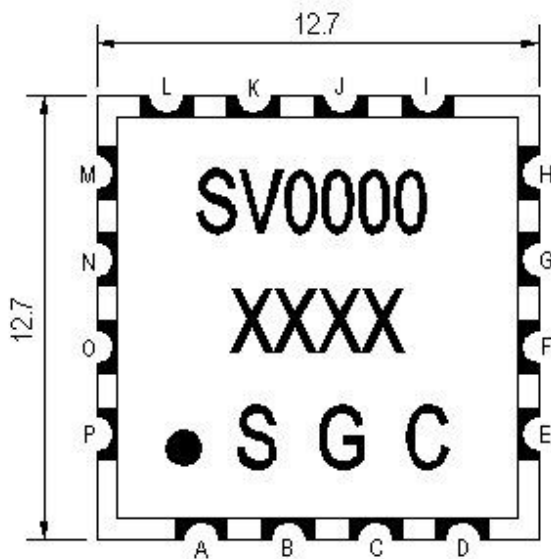
## 3. Electrical Characteristics

(Over output frequency range, T<sub>A</sub> -40 to +85°C, V<sub>cc</sub>=10.0V, Output load 50Ω, Unless otherwise stated)

PARAMETER	SPEC.			UNIT	Test conditions
	Min	Typ	Max		
Supply Voltage		10		V	DC Voltage
Oscillator Frequency Range			1630	MHz	V <sub>cc</sub> = 10.0V, V <sub>t</sub> = 2.0V
	1970				V <sub>cc</sub> = 10.0V, V <sub>t</sub> = 10.0V
Supply Current			30	mA	V <sub>cc</sub> = 10.0V, V <sub>t</sub> = 6.0V
Output Power	4	7	10	dBm	V <sub>cc</sub> = 10.0V, V <sub>t</sub> = 2.0V ~ 10.0V
SSB Phase Noise			95	dBc/Hz	10kHz offset, V <sub>cc</sub> =10.0V, V <sub>t</sub> = 6.0V
Harmonic Suppression(2 <sup>nd</sup> )			-10	dBc	V <sub>cc</sub> = 10.0V, V <sub>t</sub> = 6.0V
Tuning Sensitivity	45			MHz/V	V <sub>t</sub> = 2.0V~10.0V
Frequency Pulling	< 10			MHz	V <sub>cc</sub> = 10.0V, V <sub>t</sub> = 6.0V VSWR = 1.5 : 1 All phase
Frequency Pushing	< 5			MHz	V <sub>cc</sub> = 10.0V ±0.25V, V <sub>t</sub> =6.0V
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

