

## 1. Scope.

This specification applied to SV1212-4812.5V825M

## 2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	5±0.25	V
2	Tuning Voltage	Vt	1.0 ~15.0	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

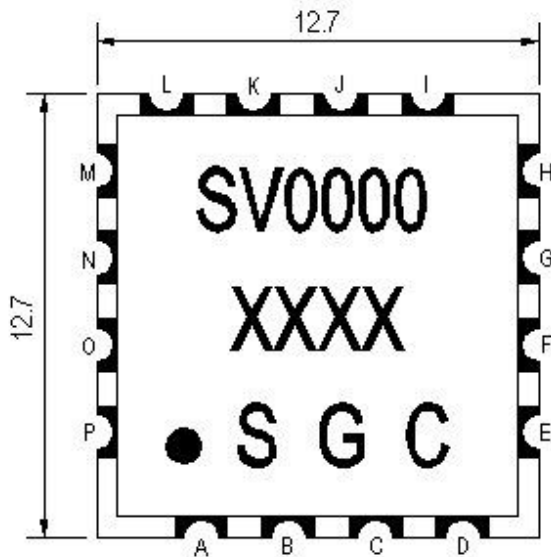
## 3. Electrical Characteristics

(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			4400	MHz	Vcc = 5.0V, Vt = 1.0V
	5225				Vcc = 5.0V, Vt = 15.0V
Supply Current			35	mA	Vcc = 5.0V, Vt = 7.0V
Output Power	-3	0	3	dBm	Vcc = 5.0V, Vt = 1.0V ~ 15.0V
SSB Phase Noise			90	dBc/Hz	10kHz offset, Vcc=5.0V, Vt = 7.0V
Harmonic Suppression(2 <sup>nd</sup> )			-10	dBc	Vcc = 5.0V, Vt = 7.0V
Tuning Sensitivity	60			MHz/V	Vt = 1.0V ~ 15.0V
Frequency Pulling	< 10			MHz	Vcc = 5.0V, Vt = 7.0V VSWR = 1.5 : 1 All phase
Frequency Pushing	< 5			MHz	Vcc = 5.0V ±0.25V, Vt= 7.0V
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

