

## 1. Scope.

This specification applied to SV1212-1842R5V75M

## 2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	5±0.25	V
2	Tuning Voltage	Vt	0.0~5.0	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

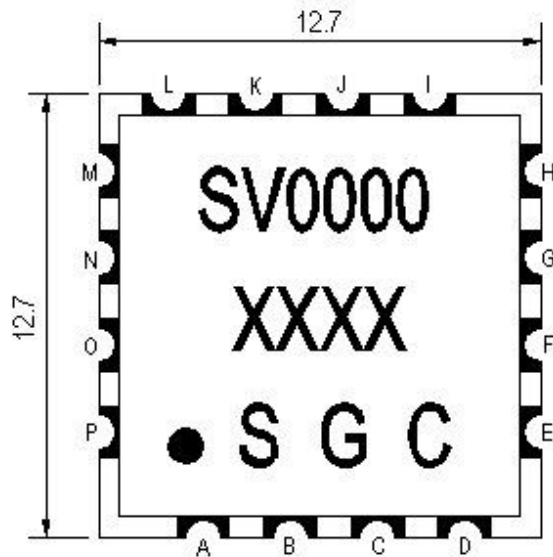
## 3. Electrical Characteristics

(Over output frequency range, T<sub>A</sub> -40 to +85°C, Vcc=5V, Output load 50Ω, Unless otherwise stated)

PARAMETER	SPEC.			UNIT	Test conditions
	Min	Typ	Max		
Supply Voltage		5.0		V	DC Voltage
Oscillator Frequency Range			1805	MHz	Vcc = 5.0V, Vt = 0V
	1880				Vcc = 5.0V, Vt = 5.0V
Supply Current			25	mA	Vcc = 5.0V, Vt = 2.5V
Output Power	0	3	6	dBm	Vcc = 5.0V, Vt = 0V ~ 5.0V
SSB Phase Noise			100	dBc/Hz	10kHz offset, Vcc=5.0V, Vt =2.5V
Harmonic Suppression(2 <sup>nd</sup> )			-15	dBc	Vcc = 5.0V, Vt = 2.5V
Tuning Sensitivity	18			MHz/V	Vt = 0V ~ 5.0V
Frequency Pulling		< 2		MHz	Vcc = 5.0V, Vt =2.5V VSWR = 1.5 : 1 All phase
Frequency Pushing		< 2		MHz	Vcc = 5V ±0.25V, Vt= 2.5V
Input Capacitance		47		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

