

## 1. Scope.

This specification applied to SV1212-2950R5V700M

## 2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	5.0±0.25	V
2	Tuning Voltage	Vt	0.5 ~ 22.0	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

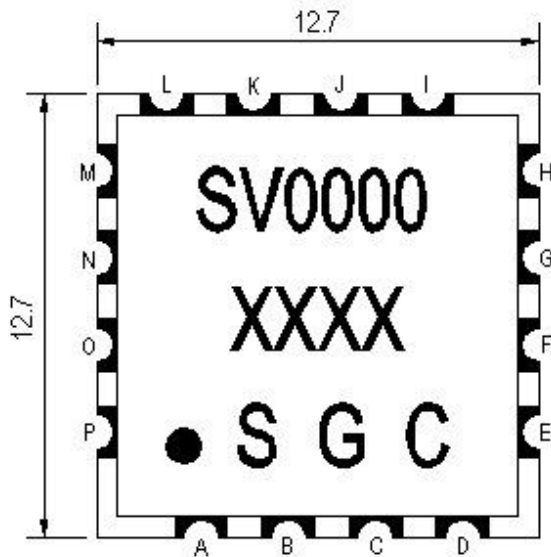
## 3. Electrical Characteristics

(Over output frequency range, TA -40 to +85°C, Vcc=5.0V, Output load 50Ω, Unless otherwise stated)

PARAMETER	SPEC.			UNIT	Test conditions
	Min	Typ	Max		
Supply Voltage		5.0		V	DC Voltage
Oscillator Frequency Range			2600	MHz	Vcc =5.0 V, Vt = 0.5V
	3300				Vcc = 5.0V, Vt = 22.0V
Supply Current			35	mA	Vcc = 5.0V, Vt = 11.25V
Output Power	2	5	8	dBm	Vcc = 5.0V, Vt = 0.5V ~22.0V
SSB Phase Noise (C/N)			-60	dBc/Hz	1kHz offset, Vcc=5.0V, Vt=11.25 V
			-90		10kHz offset, Vcc=5.0V, Vt=11.25V
			-110		100kHz offset, Vcc=5.0V, Vt=11.25V
Harmonic Suppression(2 <sup>nd</sup> )			-10	dBc	Vcc =5.0V, Vt = 11.25 V
Tuning Sensitivity	33			MHz/V	Vt = 0.5V ~ 22.0 V
Frequency Pulling		< 30		MHz	Vcc = 5.0V, Vt = 11.25 V VSWR = 1.5 : 1 All phase
Frequency Pushing		< 5		MHz	Vcc = 5.0V ±0.25V, Vt= 11.25 V
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

