

1. Scope.

This specification applied to SV1212-2900R5V1600M

2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	5.0±0.25	V
2	Tuning Voltage	Vt	0.5 ~ 25.0	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

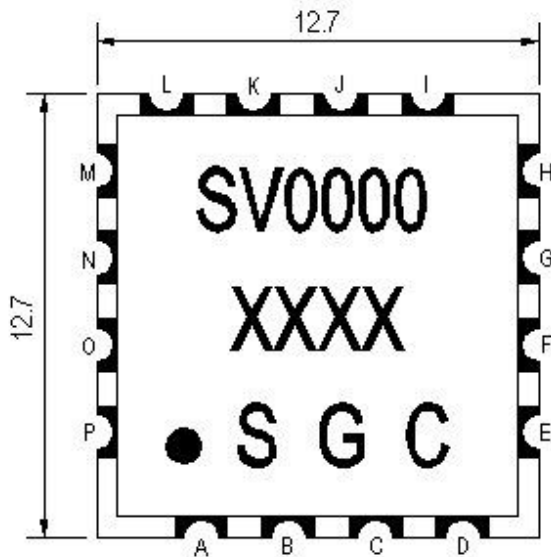
3. Electrical Characteristics

(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			2100	MHz	Vcc =5.0 V, Vt = 0.5V
	3700				Vcc = 5.0V, Vt = 25.0V
Supply Current			35	mA	Vcc = 5.0V, Vt = 12.75V
Output Power	2	5	8	dBm	Vcc = 5.0V, Vt = 0.5V ~25.0V
SSB Phase Noise (C/N)			-55	dBc/Hz	1kHz offset, Vcc=5.0V, Vt=12.75 V
			-85		10kHz offset, Vcc=5.0V, Vt=12.75V
			-105		100kHz offset, Vcc=5.0V, Vt=12.75V
Harmonic Suppression(2 nd)			-10	dBc	Vcc =5.0V, Vt = 12.75 V
Tuning Sensitivity	66			MHz/V	Vt = 0.5V ~ 25.0 V
Frequency Pulling		< 30		MHz	Vcc = 5.0V, Vt = 12.75 V VSWR = 1.5 : 1 All phase
Frequency Pushing		< 5		MHz	Vcc = 5.0V ±0.25V, Vt= 12.75 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

