

1. Scope.

This specification applied to SV1212-1150R8V500M

2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	8±0.25	V
2	Tuning Voltage	Vt	0.5~12.0	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

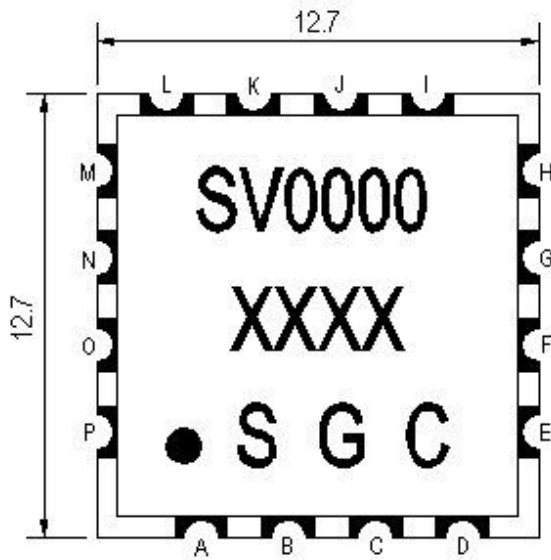
3. Electrical Characteristics

(Over output frequency range, T_A -40 to +85°C, Vcc=8.0V, Output load 50Ω, Unless otherwise stated)

PARAMETER	SPEC.			UNIT	Test conditions
	Min	Typ	Max		
Supply Voltage		8		V	DC Voltage
Oscillator Frequency Range			900	MHz	Vcc = 8.0V, Vt =0.5V
	1400				Vcc = 8.0V, Vt =12.0V
Supply Current			25	mA	Vcc = 8.0V, Vt =6.0V
Output Power	-3	0	3	dBm	Vcc =8.0V, Vt = 0.5V ~12.0V
SSB Phase Noise			90	dBc/Hz	10kHz offset, Vcc=8.0V, Vt =6.0V
Harmonic Suppression(2 nd)			-8	dBc	Vcc =8.0V, Vt =6.0V
Tuning Sensitivity	45			MHz/V	Vt =0.5V~12.0V
Frequency Pulling	< 10			MHz	Vcc = 8.0V, Vt =6.0V VSWR = 1.5 : 1 All phase
Frequency Pushing	< 5			MHz	Vcc = 8.0V ±0.25V, Vt=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

