

1. Scope.

This specification applied to SV1212-1030R5V5M

2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	5±0.25	V
2	Tuning Voltage	Vt	0.5 ~ 4.5	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

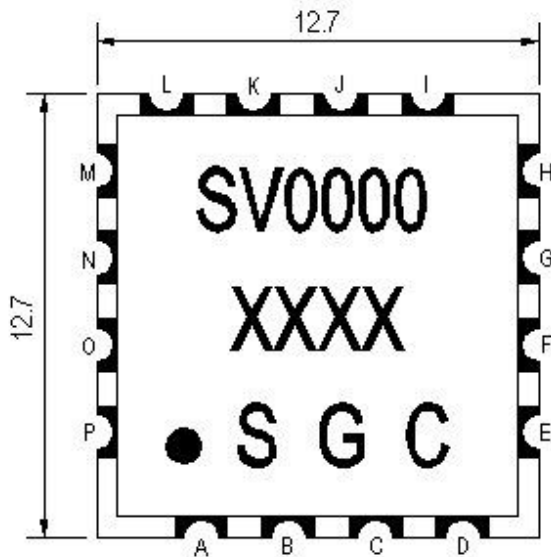
3. Electrical Characteristics

(Over output frequency range, T_A -40 to +85°C, Vcc=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			1032.5	MHz	Vcc = 5.0V, Vt = 0.5V
	1027.5				Vcc = 5.0V, Vt = 4.5V
Supply Current			35	mA	Vcc = 5.0V, Vt = 2.5V
Output Power	1	3	5	dBm	Vcc = 5.0V, Vt = 0.5V ~ 4.5V
SSB Phase Noise		108	103	dBc/Hz	10kHz offset, Vcc=5.0V, Vt =2.5V
Harmonic Suppression(2 nd)			-8	dBc	Vcc = 5.0V, Vt = 2.5V
Tuning Sensitivity	1.25			MHz/V	Vt = 0.5V ~ 4.5V
Frequency Pulling		< 2		MHz	Vcc = 5.0V, Vt = 2.5V VSWR = 1.5 : 1 All phase
Frequency Pushing		< 2		MHz	Vcc = 5.0V ±0.25V, Vt= 2.5V
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

