

1. Scope.

This specification applied to SV1212-1450R12V290M

2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	12±0.25	V
2	Tuning Voltage	Vt	2.0~9.5	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

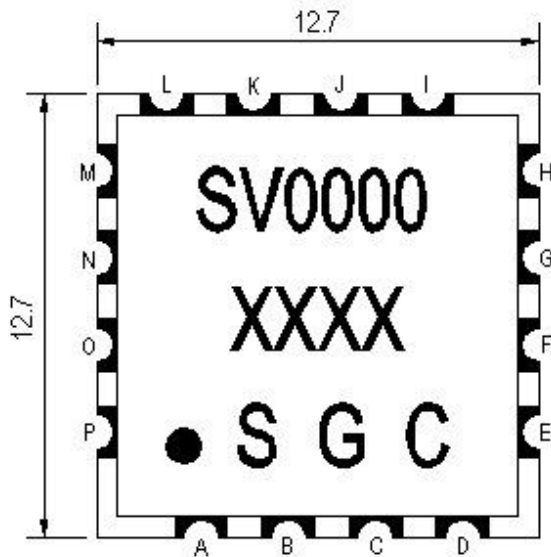
3. Electrical Characteristics

(Over output frequency range, T_A -40 to +85°C, Vcc=12.0V, Output load 50Ω, Unless otherwise stated)

PARAMETER	SPEC.			UNIT	Test conditions
	Min	Typ	Max		
Supply Voltage		12		V	DC Voltage
Oscillator Frequency Range			1305	MHz	Vcc = 12.0V, Vt = 2.0V
	1595				Vcc = 12.0V, Vt = 9.5V
Supply Current			30	mA	Vcc = 12.0V, Vt = 3.8V
Output Power	7.5	10.5	13.5	dBm	Vcc = 12.0V, Vt = 2.0V ~ 9.5V
SSB Phase Noise			95	dBc/Hz	10kHz offset, Vcc=12.0V, Vt = 3.8V
Harmonic Suppression(2 nd)			-10	dBc	Vcc = 12.0V, Vt = 3.8V
Tuning Sensitivity	40			MHz/V	Vt = 2.0V~9.5V
Frequency Pulling	< 15			MHz	Vcc = 12.0V, Vt = 3.8V VSWR = 1.5 : 1 All phase
Frequency Pushing	< 2			MHz	Vcc = 12.0V ±0.25V, Vt= 3.8V
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

