

## 1. Scope.

This specification applied to SV1212-1500R10V800M

## 2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	10 ±0.25	V
2	Tuning Voltage	Vt	0.8 ~ 20.0	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

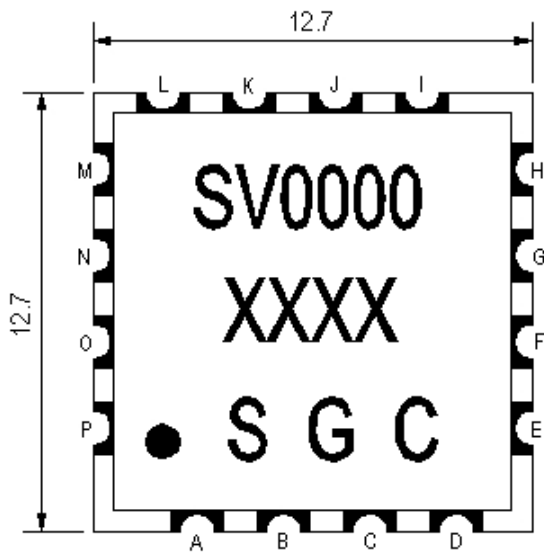
## 3. Electrical Characteristics

(Over output frequency range, T<sub>A</sub> -40 to +85°C, Vcc=10.0V, Output load 50Ω, Unless otherwise stated)

ITEM	SPEC.			UNIT	Test conditions
	Min	Typ	Max		
Supply Voltage		10		V	DC Voltage
Frequency			1100	MHz	Vcc = 10.0 V, Vt = 0.8 V
	1900				Vcc = 10.0 V, Vt = 20.0 V
Current			35	mA	Vcc = 10.0 V, Vt = 10.4 V
Output Level	5.75	8.75	10.75	dBm	Vcc = 10.0 V, Vt = 0.8 V ~ 20.0 V
Phase Noise (C/N)			-95	dBc/Hz	10kHz offset, Vcc=10V, Vt = 10.4V
			-115	dBc/Hz	100kHz offset, Vcc=10V, Vt = 10.4V
2 <sup>nd</sup> Harmonic			-5	dBc	Vcc = 10 V, Vt = 10.4 V
Tuning Sensitivity	42			MHz/V	Vcc = 10 V, Vt = 0.8 V ~ 20 V
Pulling	< 10			MHz	Vcc = 10 V, Vt = 10.4 V VSWR = 1.5 : 1 All phase
Pushing	< 5			MHz	Vcc = 10 V ±0.25V, Vt = 10.4 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

