

## 1. Scope.

This specification applied to SV1212-1500R12V100M

## 2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	12±0.25	V
2	Tuning Voltage	Vt	0.0 ~ 18.0	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

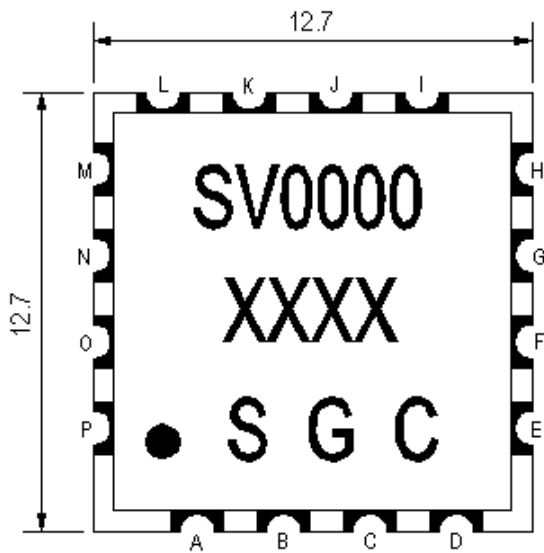
## 3. Electrical Characteristics

(Over output frequency range, T<sub>A</sub> -40 to +85 °C, Vcc=12.0V, Output load 50Ω, Unless otherwise stated)

ITEM	SPEC.			UNIT	Test conditions
	Min	Typ	Max		
Supply Voltage		12		V	DC Voltage
Frequency			1450	MHz	Vcc = 12V, Vt = 0.0V
	1550				Vcc = 12V, Vt = 18.0V
Current			35	mA	Vcc = 12V, Vt = 9.0V
Output Level	7	10	13	dBm	Vcc = 12V, Vt = 9.0V
Phase Noise (C/N)			110	dBc/Hz	10kHz offset, BW = 1Hz
2 <sup>nd</sup> Harmonic			-10	dBc	Vcc = 12V, Vt = 9.0V
Tuning Sensitivity	6			MHz/V	Vt = 0.0V ~ 18.0V
Pulling		< 5		MHz	Vcc = 12V, Vt = 9.0V VSWR = 1.5 : 1 All phase
Pushing		< 5		MHz	Vcc = 12V ±0.25V, Vt= 9.0V
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

