

1. Scope.

This specification applied to SV1212-1050R12V700M

2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	12 ±0.25	V
2	Tuning Voltage	Vt	0.0 ~ 20.0	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

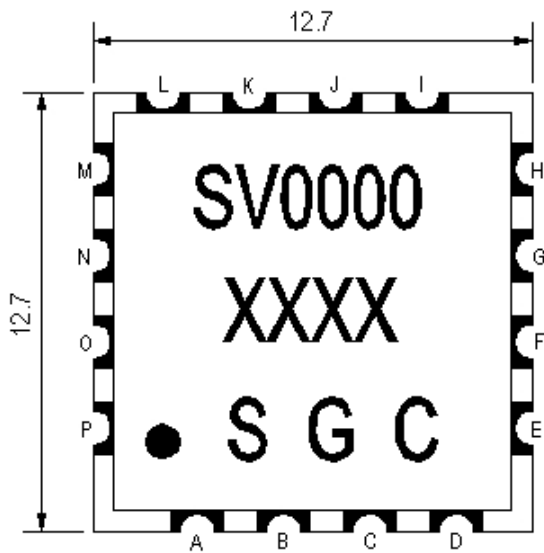
3. Electrical Characteristics

(Over output frequency range, T_A -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			700	MHz	Vcc = 12 V, Vt = 0.0 V
	1400				Vcc = 12 V, Vt = 20.0 V
Current			35	mA	Vcc = 12 V, Vt = 10.0 V
Output Level	9.5	12.5	15.5	dBm	Vcc = 12 V, Vt = 0.0 V ~ 20.0 V
Phase Noise (C/N)		-65	-60	dBc/Hz	1kHz offset, Vcc=12 V, Vt =10.0V
		-95	-90	dBc/Hz	10kHz offset, Vcc=12 V, Vt =10.0V
		-115	-110	dBc/Hz	100kHz offset, Vcc=12 V, Vt =10.0V
2 nd Harmonic			-10	dBc	Vcc = 12 V, Vt = 10.0 V
Tuning Sensitivity	35			MHz/V	Vcc= 12 V, Vt = 0.0 V ~ 20.0 V
Pulling	< 17			MHz	Vcc = 12.0V, Vt = 10.0V VSWR = 1.5 : 1 All phase
Pushing	< 5			MHz	Vcc = 12.0V ±0.25V, Vt= 10.0V
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

