

1. Scope.

This specification applied to SV1212-400R12V40M

2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	12±0.25	V
2	Tuning Voltage	Vt	0.0 ~ 12.0	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

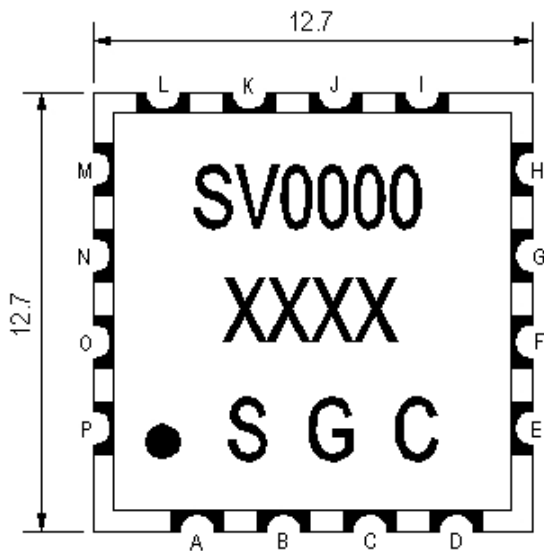
3. Electrical Characteristics

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

ITEM	SPEC.			UNIT	Test conditions
	Min	Typ	Max		
Supply Voltage		12		V	DC Voltage
Frequency			380	MHz	V _{cc} = 12.0V, V _t = 0.0V
	420				V _{cc} = 12.0V, V _t = 12.0V
Current			30	mA	V _{cc} = 12.0V, V _t = 6.0V
Output Level	2	5	8	dBm	V _{cc} = 12.0V, V _t = 0.0V ~ 12.0V
Phase Noise (C/N)			-100	dBc/Hz	10kHz offset, V _{cc} =12 V, V _t =6.0V
2 nd Harmonic			-15	dBc	V _{cc} = 12.0V, V _t = 6.0V
Tuning Sensitivity	3.5			MHz/V	V _t = 0.0V ~ 12.0V
Pulling		< 5		MHz	V _{cc} = 12.0V, V _t = 6.0V VSWR = 1.5 : 1 All phase
Pushing		< 2		MHz	V _{cc} = 12.0V ±0.25V, V _t = 6.0V
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

