

1. Scope.

This specification applied to SV1212-1550R12V260M

2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	12 ±0.25	V
2	Tuning Voltage	Vt	3.0 ~ 10.0	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

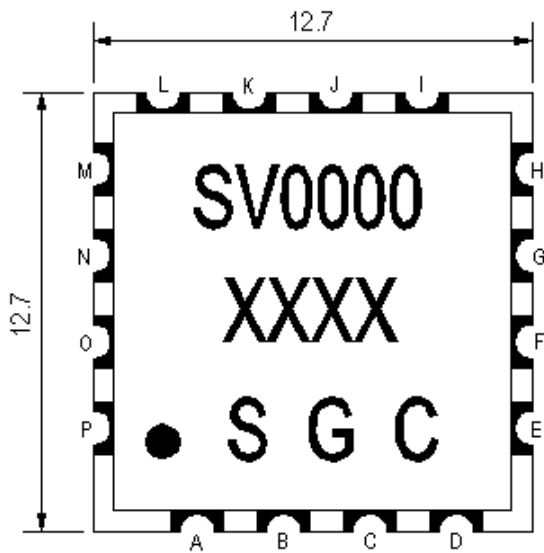
3. Electrical Characteristics

(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			1420	MHz	Vcc = 12 V, Vt = 3.0 V
	1680				Vcc = 12 V, Vt = 10.0 V
Current			35	mA	Vcc = 12 V, Vt = 6.5 V
Output Level	9.5	12.5	15.5	dBm	Vcc = 12 V, Vt = 3.0 V ~ 10.0 V
Phase Noise (C/N)		-60	-55	dBc/Hz	1kHz offset, Vcc=12 V, Vt = 6.5V
		-87	-82	dBc/Hz	10kHz offset, Vcc=12 V, Vt = 6.5V
		-112	-107	dBc/Hz	100kHz offset, Vcc=12 V, Vt = 6.5V
2 nd Harmonic			-10	dBc	Vcc = 12 V, Vt = 6.5 V
Tuning Sensitivity	38			MHz/V	Vcc= 12 V, Vt = 3.0 V ~ 10.0 V
Pulling		< 20		MHz	Vcc = 12.0V, Vt = 6.5V VSWR = 1.5 : 1 All phase
Pushing		< 10		MHz	Vcc = 12.0V ±0.25V, Vt= 6.5V
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

