

1. Scope.

This specification applied to SV1212-3950R5V100M

2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	5 ±0.25	V
2	Tuning Voltage	Vt	0.5 ~ 4.5	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

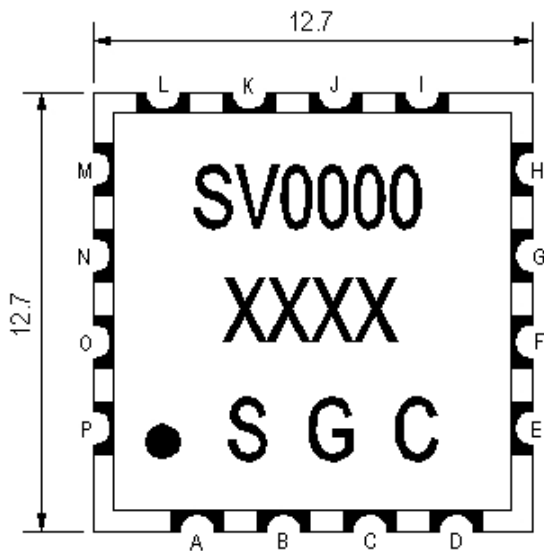
3. Electrical Characteristics

(Over output frequency range, T_A -40 to +85°C, Vcc=5.0V, Output load 50Ω, Unless otherwise stated)

ITEM	SPEC.			UNIT	Test conditions
	Min	Typ	Max		
Supply Voltage		5		V	DC Voltage
Frequency			3900	MHz	Vcc = 5.0 V, Vt = 0.5 V
	4000				Vcc = 5.0 V, Vt = 4.5 V
Current			35	mA	Vcc = 5.0 V, Vt = 2.5 V
Output Level	-3	0	3	dBm	Vcc = 5.0 V, Vt = 0.5 V ~ 4.5 V
Phase Noise (C/N)			-60	dBc/Hz	1kHz offset, Vcc=5.0V, Vt =2.5V
			-90	dBc/Hz	10kHz offset, Vcc=5.0V, Vt =2.5V
			-110	dBc/Hz	100kHz offset, Vcc=5.0V, Vt =2.5V
			-130	dBc/Hz	1MHz offset, Vcc=5.0V, Vt =2.5V
2 nd Harmonic			-8	dBc	Vcc = 5.0 V, Vt = 2.5 V
Tuning Sensitivity	25			MHz/V	Vcc = 5.0 V, Vt = 0.5 V ~ 4.5 V
Pulling	< 10			MHz	Vcc = 5.0 V, Vt = 2.5 V VSWR = 1.5 : 1 All phase
Pushing	< 5			MHz	Vcc = 5.0V ±0.25V, Vt= 2.5 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

