

1. Scope.

This specification applied to SV1212-1910R4.5V28M

2. Ratings

	ITEM	SYMBOL	RATING	UNIT
1	Supply Voltage	Vcc	4.5±0.25	V
2	Tuning Voltage	Vt	0.5~5.0	V
3	Operating Temperature	Top	-40 ~ +85	°C
4	Storage Temperature	Tstg	-50 ~ +100	°C
5	Storage Humidity	Hstg	0 ~ 95%	%

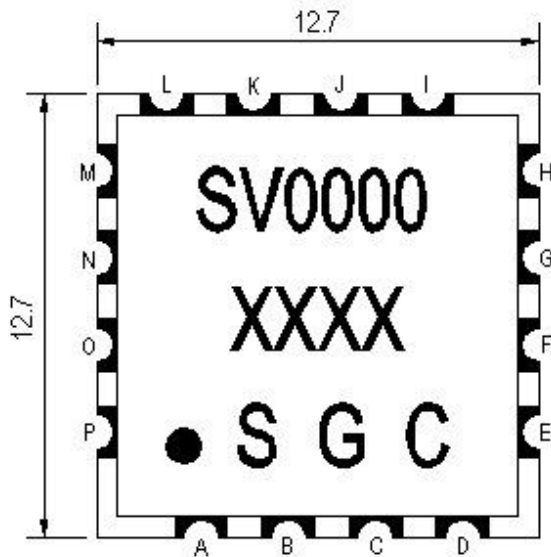
3. Electrical Characteristics

(Over output frequency range, T_A -40 to +85°C, V_{cc}=4.5V, Output load 50Ω, Unless otherwise stated)

PARAMETER	SPEC.			UNIT	Test conditions
	Min	Typ	Max		
Supply Voltage		4.5		V	DC Voltage
Oscillator Frequency Range			1896	MHz	V _{cc} = 4.5V, V _t = 0.5V
	1924				V _{cc} = 4.5V, V _t = 5.0V
Supply Current			30	mA	V _{cc} = 4.5V, V _t = 2.3V
Output Power	1	4	7	dBm	V _{cc} = 4.5V, V _t = 0.5V ~ 5.0V
SSB Phase Noise			100	dBc/Hz	10kHz offset, V _{cc} =4.5V, V _t = 2.3V
Harmonic Suppression(2 nd)			-10	dBc	V _{cc} = 4.5V, V _t = 2.3V
Tuning Sensitivity	10			MHz/V	V _t = 0.5V~5.0V
Frequency Pulling		< 5		MHz	V _{cc} = 4.5V, V _t = 2.3V VSWR = 1.5 : 1 All phase
Frequency Pushing		< 3		MHz	V _{cc} = 12.0V ±0.25V, V _t = 2.3V
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

