

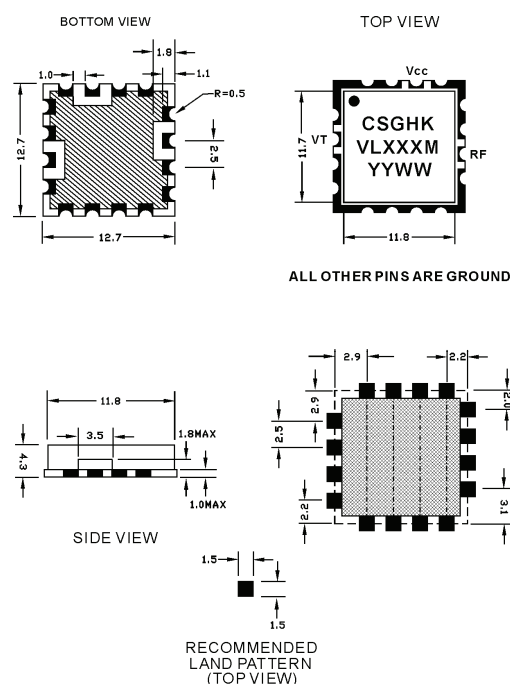
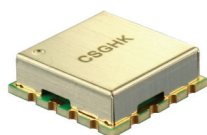
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 1100-1612MHz

S1612H

FEATURES:

- ▶ Miniature Size
- ▶ Surface Mount Package
- ▶ Low Phase Noise Performance
- ▶ Electrically Shielded
- ▶ Highly Linear Tuning



Electrical Specifications, $T_A = +25^{\circ}\text{C}$, $V_{CC} = +8.0\text{V}$ (unless otherwise stated)

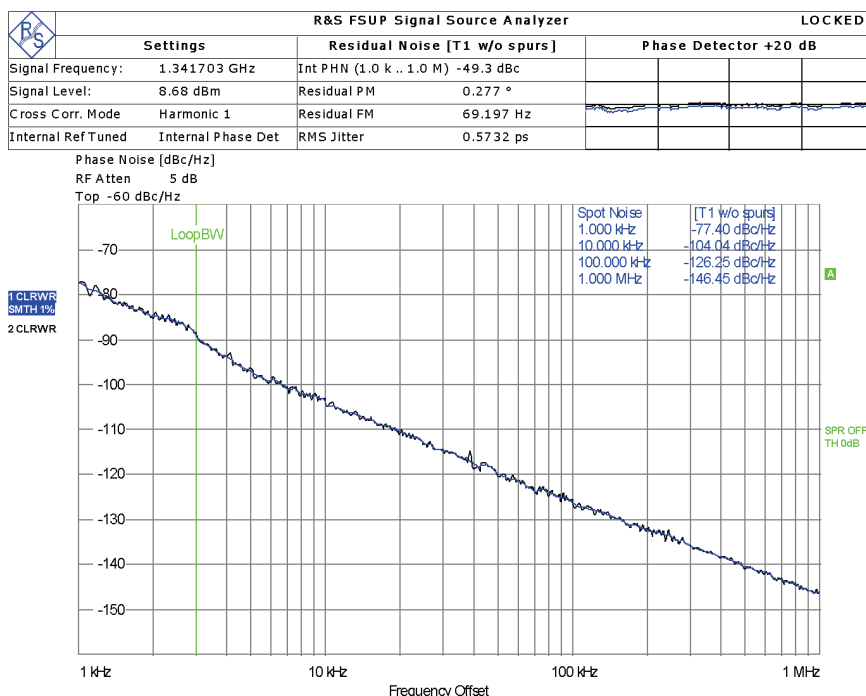
Parameter	Test Conditions	Min	Typ	Max	Units
Frequency Rangs		1100		1612	MHz
Tuning Voltage (V)		2.0		10.0	V
RF Output Power	1100-1612MHz	6.0		10.0	dBm
Supply Voltage (Vcc)		7.75		8.25	V
Supply Current (Icc)			25	28	mA
Phase Noise :					
	@10kHz Offset:		-104	-100	dBc/Hz
	@100kHz Offset:		-127	-123	dBc/Hz
Average Tuning Sensitivity	1100-1612MHz		76.6		MHz/V
Harmonic Outputs			-15		dBc
OperatingTemperature Range		-55		+85	$^{\circ}\text{C}$
Tune Input Capacitance			22		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X4.3mm)				

SMD Voltage Controlled Oscillator

Frequency 1100-1612MHz

S1612H

Tuning Voltage (V)	-55°C			+25°C			+85°C		
	Frequency (MHz)	Power (dBm)	2 ⁿ (dBc)	Frequency (MHz)	Power (dBm)	2 ⁿ (dBc)	Frequency (MHz)	Power (dBm)	2 ⁿ (dBc)
2.0	1051.8	9.6	-	1032.8	8.4	-	1022.9	6.7	-
3.0	1132.5	9.7	-	1118.9	8.5	-	1112.2	6.8	-
4.0	1211.1	9.4	-	1197.9	8.4	-	1191.8	6.7	-
5.0	1288.4	9.1	-	1276.6	8.0	-	1270.6	6.6	-
6.0	1367.7	8.2	-	1355.2	7.3	-	1349.0	6.2	-
7.0	1445.8	7.4	-	1433.6	6.8	-	1426.0	6.0	-
8.0	1520.8	7.5	-	1508.2	6.8	-	1499.9	5.9	-
9.0	1593.8	7.5	-	1579.0	6.8	-	1567.9	6.1	-
10.0	1664.0	7.2	-	1645.4	7.0	-	1636.8	6.4	-



Measurement Aborted

Date: 28.SEP.2010 12:22:15