

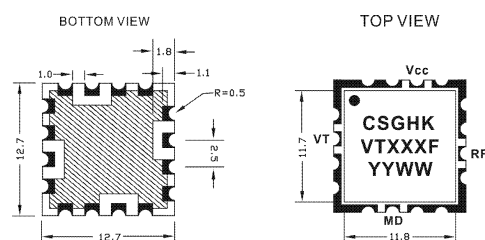
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 350-390MHz

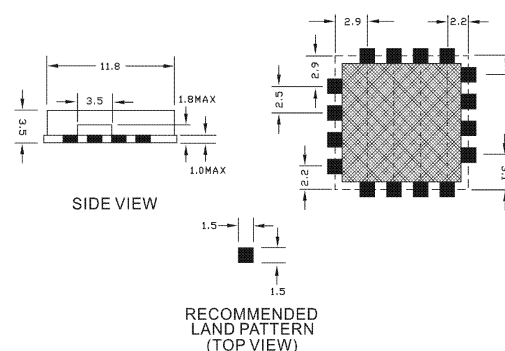
VT370MF

FEATURES:

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



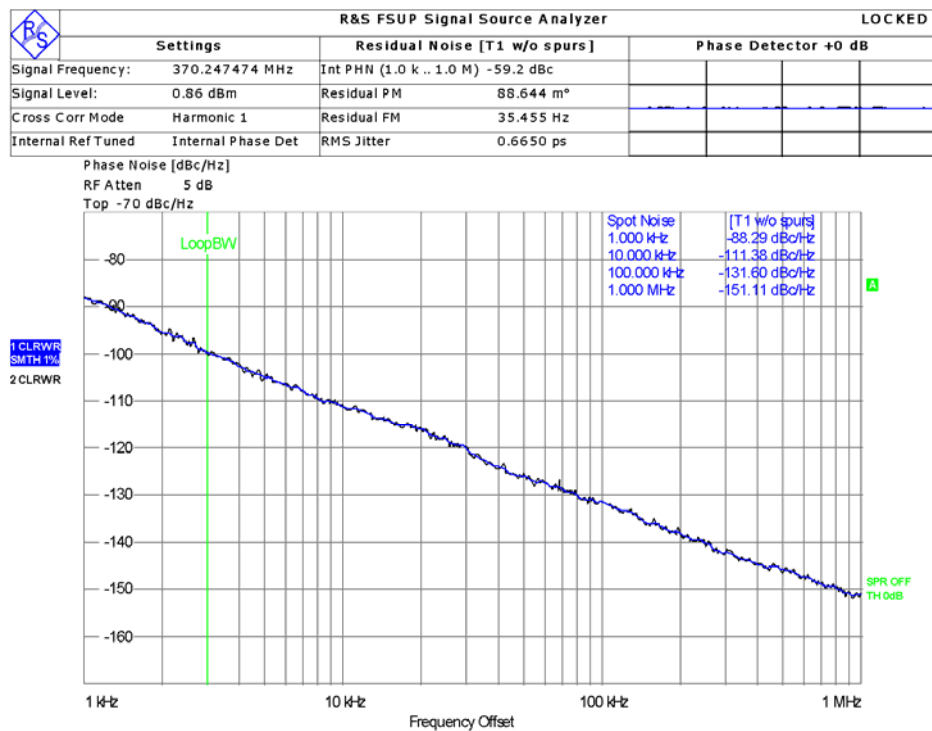
ALL OTHER PINS ARE GROUND



Electrical Specifications, $T_A = +25^{\circ}\text{C}$, $V_{CC} = +5.0\text{V}$ (unless otherwise stated)

Parameter	Test Conditions	Min	Typ	Max	Units
Frequency Rangs		350		390	MHz
Tuning Voltage (V)		0.5		4.5	V
RF Output Power	350-390MHz	-2.0		2.0	dBm
Supply Voltage (Vcc)		4.75		5.25	V
Supply Current (Icc)			15	18	mA
Phase Noise :					
	@10kHz Offset:		-110	-107	dBc/Hz
	@100kHz Offset:		-131	-128	dBc/Hz
Average Tuning Sensitivity	350-390MHz		17		MHz/V
MD Sensitivity			50		KHz/V
Harmonic Outputs			-10		dBc
Operating Temperature Range		-40		+85	$^{\circ}\text{C}$
Tune Input Capacitance			100		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X3.5mm)				

V TUNE	TUNING SENS. (MHz/V)	FREQUENCY(MHz)			POWER OUTPUT(dBm)			HARMONIC(dBc)		
		-40℃	+25℃	+85℃	-40℃	+25℃	+85℃	-40℃	+25℃	+85℃
0.5	17.8	340.5	337.3	335.5	1.4	0.7	-1.0	-22.1	-10.4	-8.5
1.0	16.7	349.0	345.8	344.0	1.6	0.7	-1.0	-21.6	-10.9	-9.4
1.5	16.6	357.3	354.0	351.8	1.7	0.7	-1.1	-20.5	-10.8	-9.8
2.0	16.4	365.5	362.0	359.8	1.8	0.7	-1.3	-19.3	-10.7	-10.0
2.5	16.5	374.0	370.8	368.3	1.9	0.8	-1.4	-17.7	-11.1	-10.5
3.0	17.4	382.8	379.3	376.8	2.1	0.7	-1.5	-18.6	-12.1	-11.5
3.5	17.2	391.5	388.0	385.5	2.3	0.8	-1.5	-18.5	-12.9	-12.5
4.0	17.6	400.5	396.8	394.5	2.5	0.9	-1.5	-18.0	-13.3	-13.1
4.5	17.5	409.0	405.5	403.3	2.7	1.0	-1.4	-17.5	-13.4	-13.3



Measurement Aborted

Date : 23.MAR.2012 14:56:15