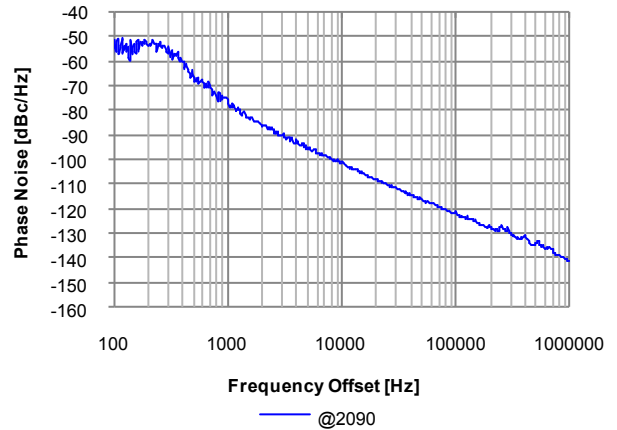


Features

- 3 wire serial integer PLL
- Miniature size (0.37"x0.39"x0.09")
- Low phase noise
- High Output Power (typ.+8dBm)
- Programming : LMX2331(NSC)

Applications

- SATCOM radio link
- Receiver
- Test Equipment
- Radar
- Point-to-Point radio
- MMDS
- WiMAX

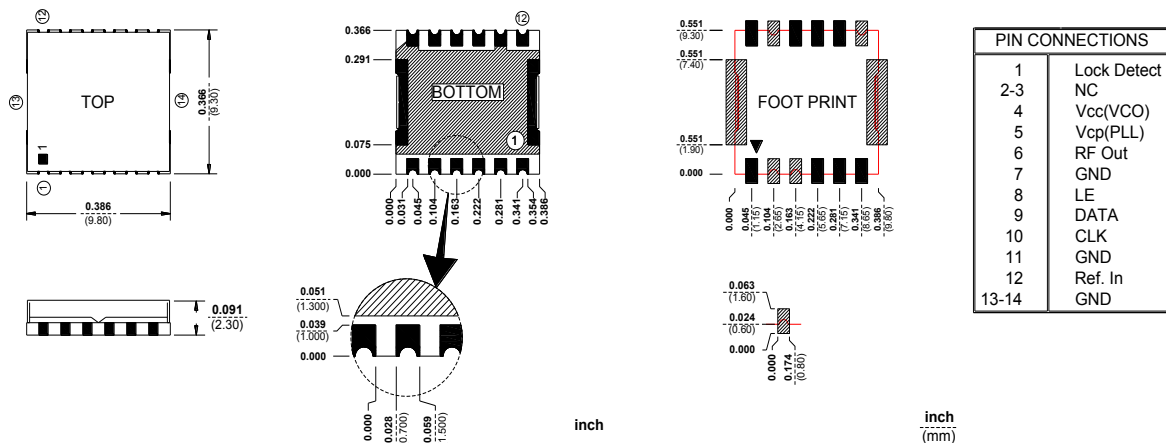


Electrical Characteristics



Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	2080		2100
Step Size	kHz		25	
Settling Time	msec		10	30
Output Power	dBm	+1.0	+3.0	+5.0
Output Impedance	Ω		50	
Phase Noise	@1kHz offset	dBc/Hz	-75	-70
	@10kHz offset	dBc/Hz	-101	-96
	@100kHz offset	dBc/Hz	-122	-117
	@1MHz offset	dBc/Hz	-140	-135
2nd Harmonic Suppression	dBc		-31	-20
Sideband Spurious Suppression	dBc			-70
Reference	Input Frequency	MHz	5	40
	Input Level	dBm	-5	+5
VCO Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	26	35
PLL Power Supply (Vcp)	Voltage	Vdc	5	
	Current	mA	5	10
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

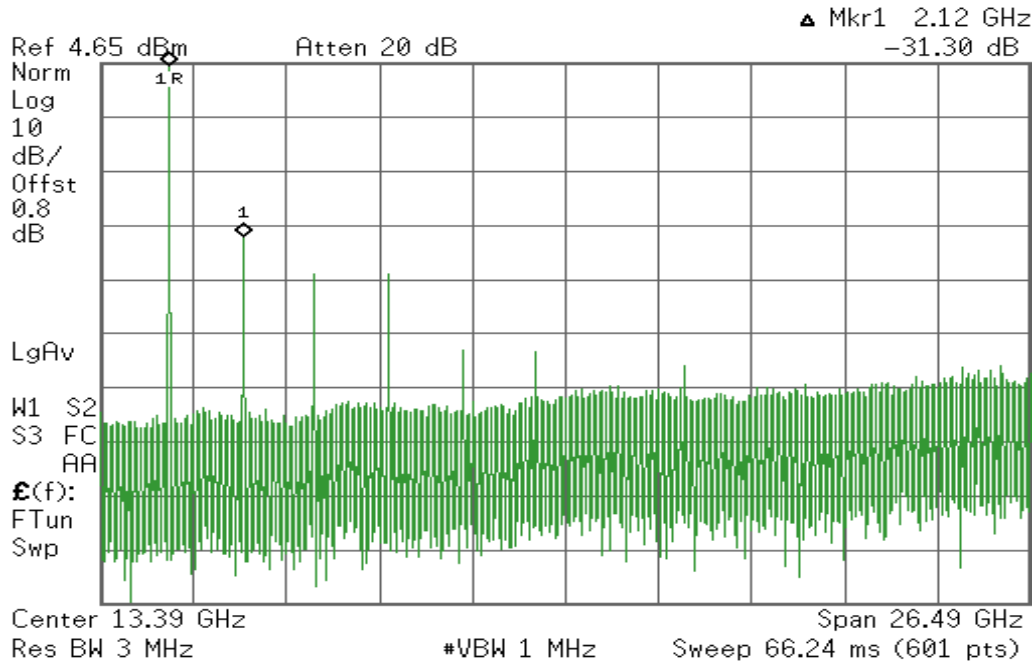
Dimensions



PIN CONNECTIONS	
1	Lock Detect
2-3	NC
4	Vcc(VCO)
5	Vcp(PLL)
6	RF Out
7	GND
8	LE
9	DATA
10	CLK
11	GND
12	Ref. In
13-14	GND

PACKAGE DRAWING : PC12-L

■ Harmonic Suppression



■ Sideband Spurious Suppression

