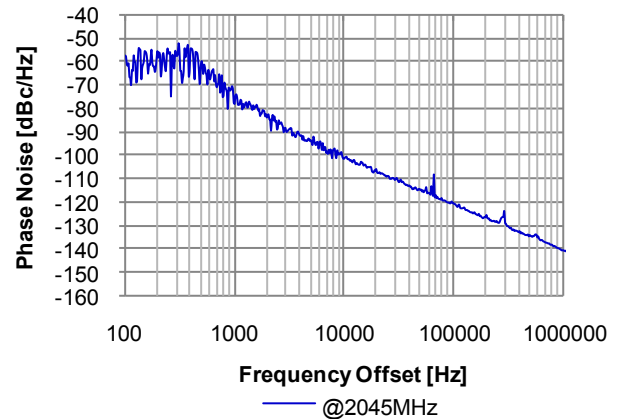


Features

- 3 wire serial integer PLL
- Miniature size (0.37"x0.39"x0.09")
- Low phase noise
- Programming : LMX2331(NSC)

Applications

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

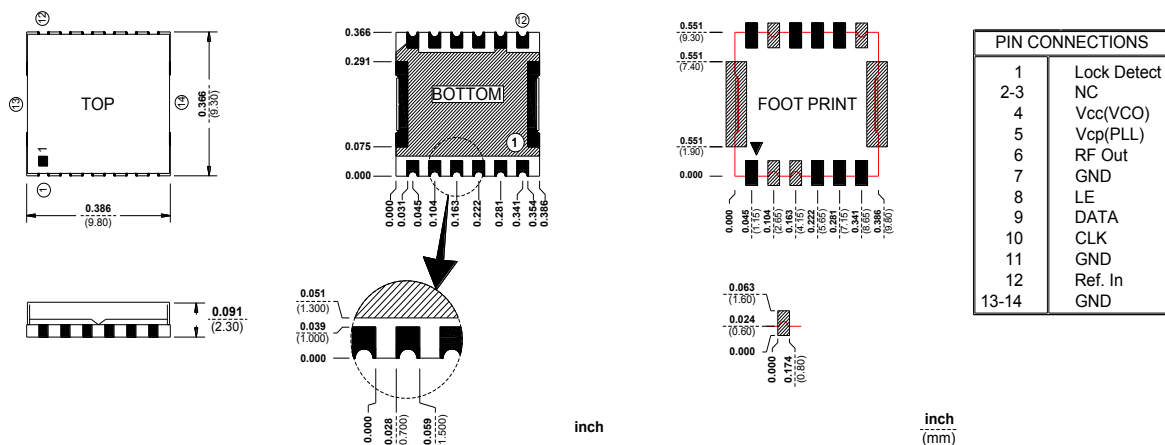


Electrical Characteristics



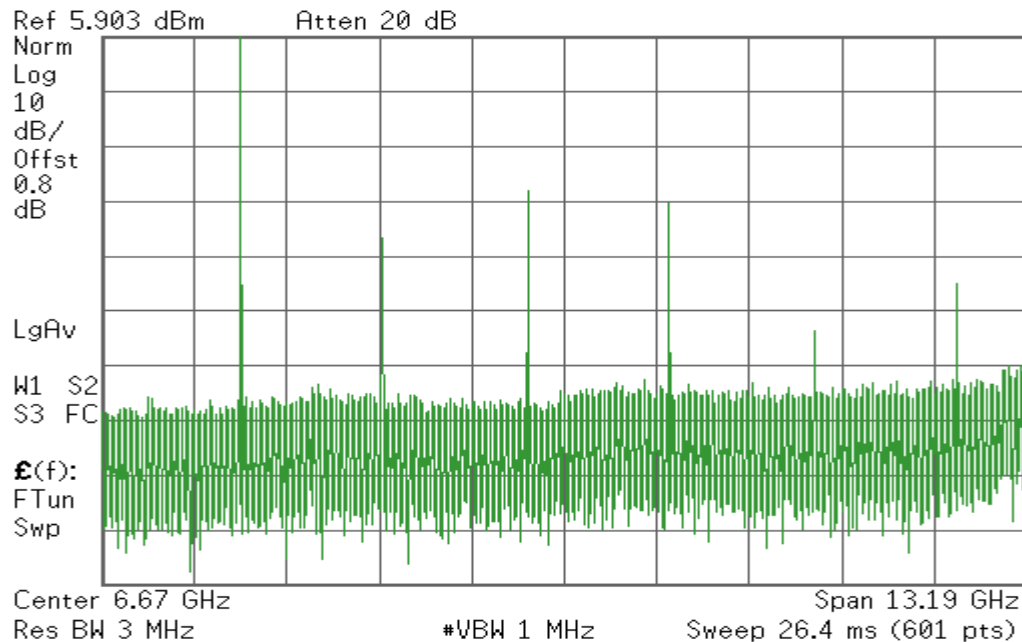
Parameter		Units	Min	Typ	Max
Operating Frequency Range		MHz	2035		2055
Step Size		kHz		100	
Settling Time		msec		10	30
Output Power		dBm	+3.0	+5.0	+7.0
Output Impedance		Ω		50	
Phase Noise	@1kHz offset	dBc/Hz		-72	-67
	@10kHz offset	dBc/Hz		-100	-95
	@100kHz offset	dBc/Hz		-120	-115
	@1MHz offset	dBc/Hz		-140	-135
2nd Harmonic Suppression		dBc		-36	-20
Sideband Spurious Suppression		dBc			-64
Reference	Input Frequency	MHz	5		40
	Input Level	dBm	-5		+5
VCO Power Supply (Vcc)	Voltage	Vdc		5	
	Current	mA		30	40
PLL Power Supply (Vcp)	Voltage	Vdc		5	
	Current	mA		5	10
Operating Temp. Range		$^{\circ}\text{C}$	-40		+85

Dimensions



PACKAGE DRAWING : PC12-L

Harmonic Suppression



Sideband Spurious Suppression

