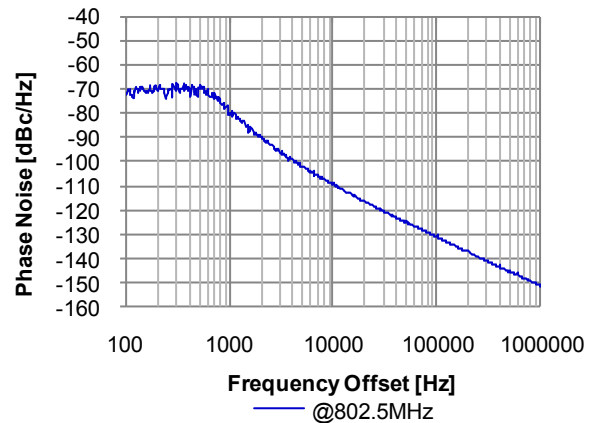


Features

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

Applications

- Base station
- Cable TV
- Satellite Communications
- UHF radio link

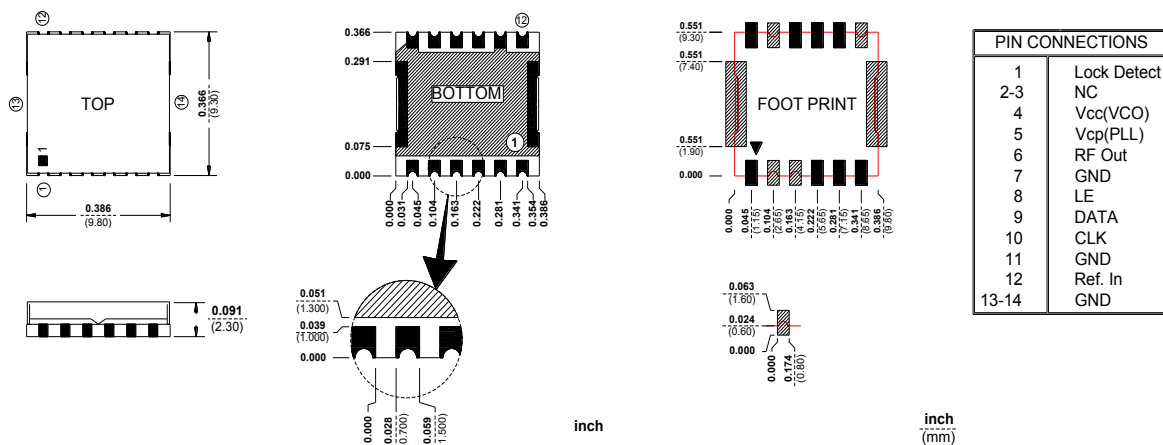


Electrical Characteristics



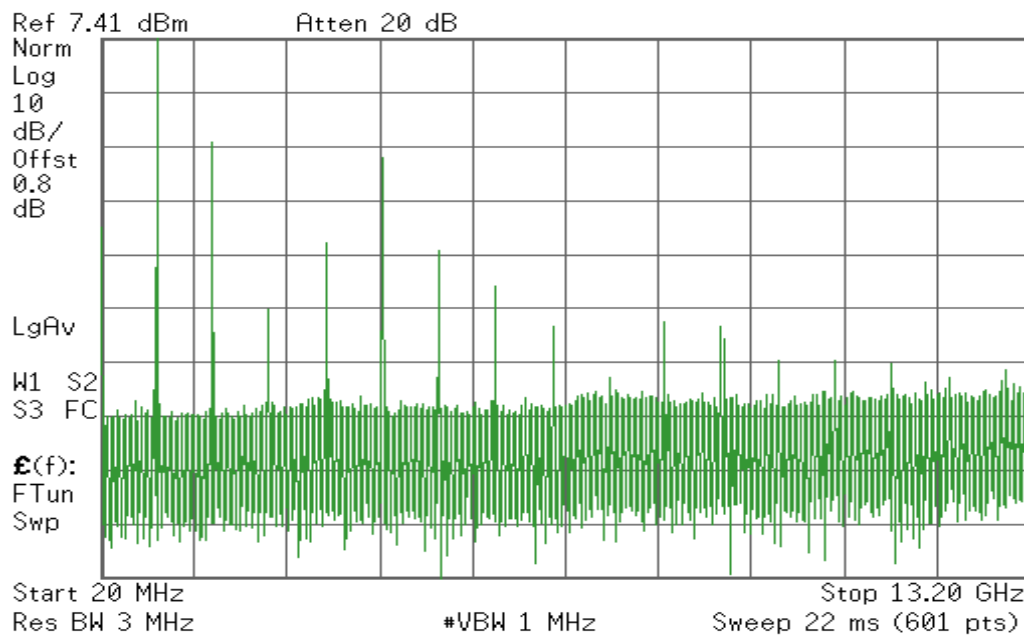
Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	785		820
Step Size	kHz		50	
Settling Time	msec		10	30
Output Power	dBm	+5.0	+7.0	+9.0
Output Impedance	Ω		50	
Phase Noise	@1kHz offset	dBc/Hz	-80	-75
	@10kHz offset	dBc/Hz	-109	-104
	@100kHz offset	dBc/Hz	-130	-125
	@1MHz offset	dBc/Hz	-151	-146
2nd Harmonic Suppression	dBc		-19	-15
Sideband Spurious Suppression	dBc			-75
Reference	Input Frequency	MHz	5	40
	Input Level	dBm	-5	+5
VCO Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	24	35
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

