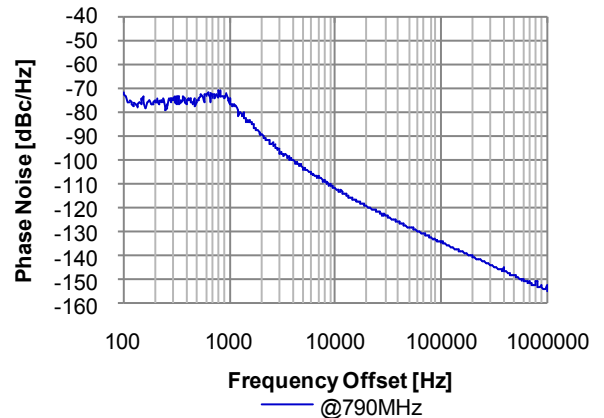


Features

- 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

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

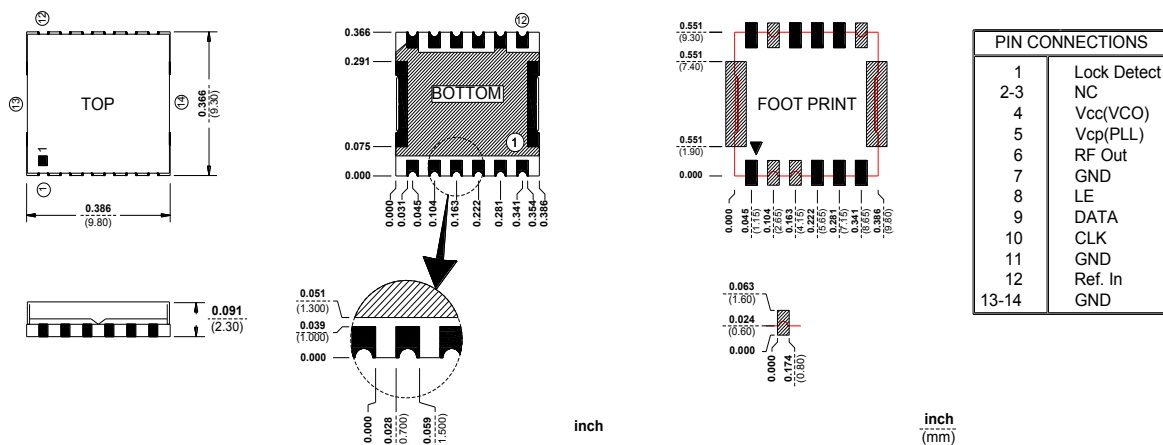


Electrical Characteristics

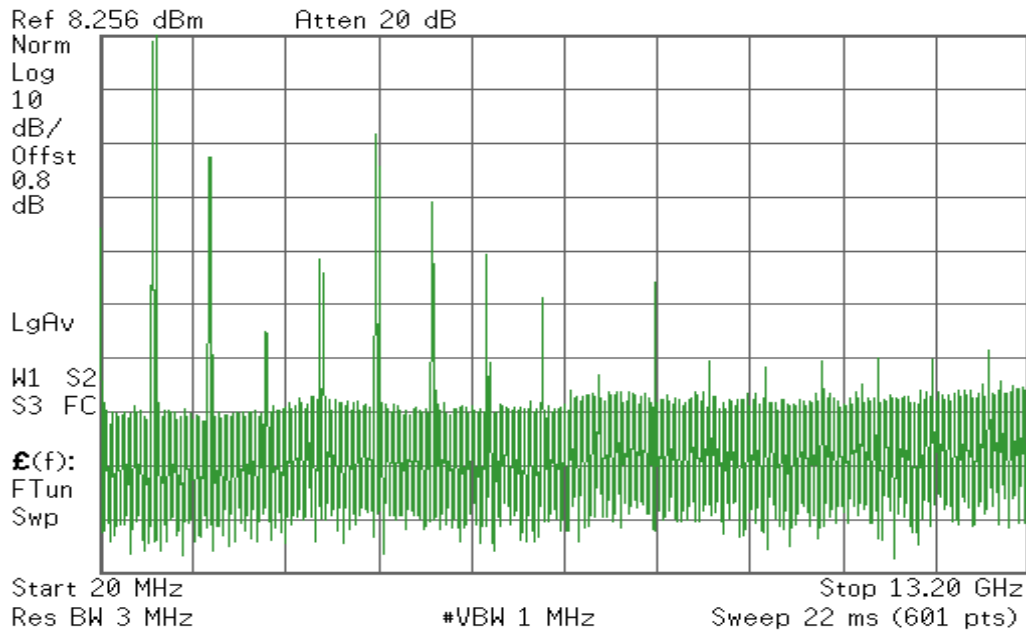


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	780		800
Step Size	kHz		100	
Settling Time	msec		10	30
Output Power	dBm	+6.0	+8.0	+10.0
Output Impedance	Ω		50	
Phase Noise	@1kHz offset	dBc/Hz	-74	-69
	@10kHz offset	dBc/Hz	-111	-106
	@100kHz offset	dBc/Hz	-134	-129
	@1MHz offset	dBc/Hz	-153	-148
2nd Harmonic Suppression	dBc		-22	-15
Sideband Spurious Suppression	dBc			-80
Reference	Input Frequency	MHz	5	40
	Input Level	dBm	-5	+5
VCO Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	27	35
PLL Power Supply (Vcp)	Voltage	Vdc	5	
	Current	mA	5	10
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

Dimensions



■ Harmonic Suppression



■ Sideband Spurious Suppression

