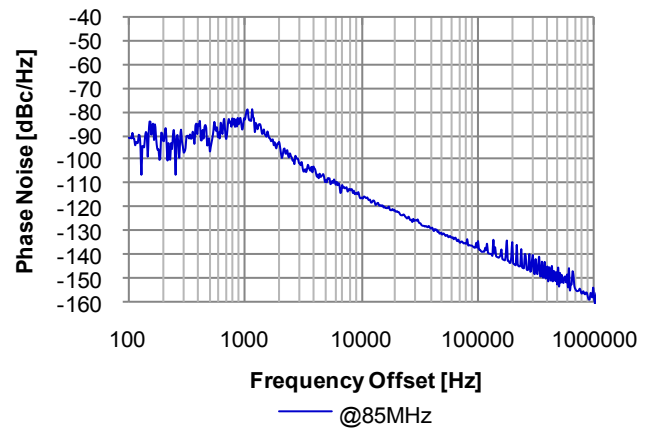


## Features

- 3 wire serial Fractional PLL
- Sub-Compact Size 0.6"x0.6"x0.15"
- Low phase noise
- Programming : LMX2306(NSC)

## Applications

- Broadcast
- VHF radio
- Wireless Telemetry
- Test Instrument-Signal Generation

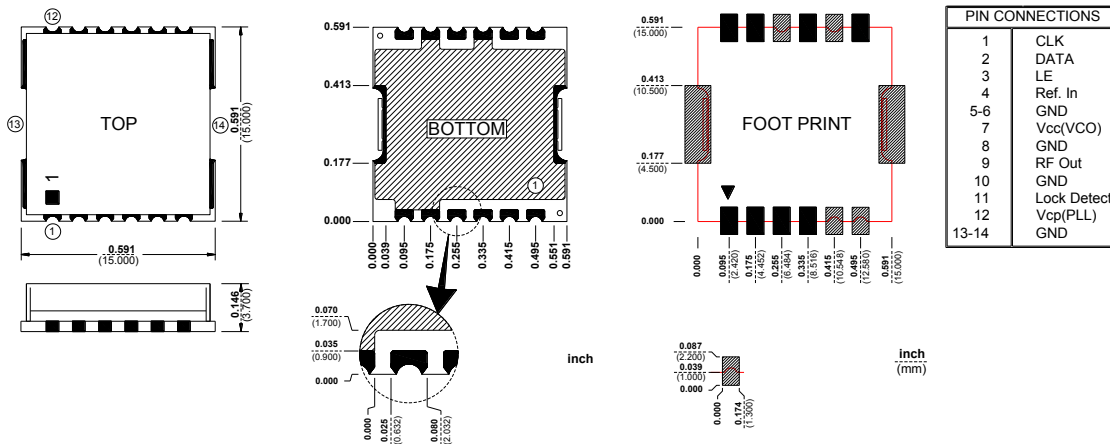


## Electrical Characteristics



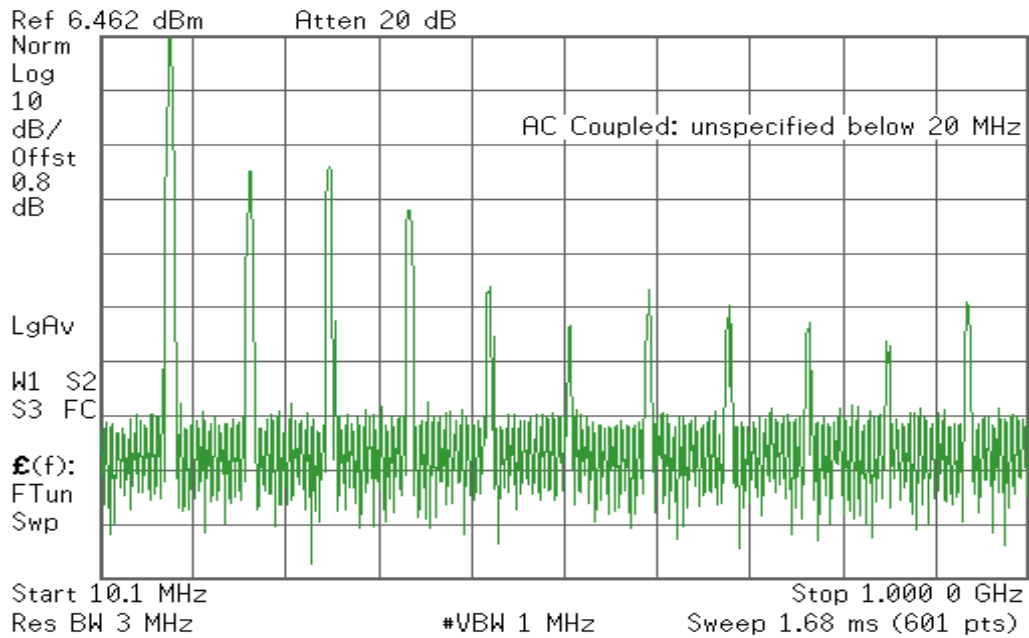
Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	80		90
Step Size	kHz		20	
Settling Time	msec		10	30
Output Power	dBm	+3.0	+5.0	+7.0
Output Impedance	$\Omega$		50	
Phase Noise	@1kHz offset	dBc/Hz	-84	-79
	@10kHz offset	dBc/Hz	-112	-107
	@100kHz offset	dBc/Hz	-136	-131
	@1MHz offset	dBc/Hz	-155	-150
2nd Harmonic Suppression	dBc		-24	-20
Sideband Spurious Suppression	dBc			-80
Reference	Input Frequency	MHz	5	100
	Input Level	dBm	-5	+5
VCO Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	20	30
PLL Power Supply (Vcp)	Voltage	Vdc	5	
	Current	mA	5	10
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

## Dimensions



PACKAGE DRAWING : PS12-L

## Harmonic Suppression



## Sideband Spurious Suppression

