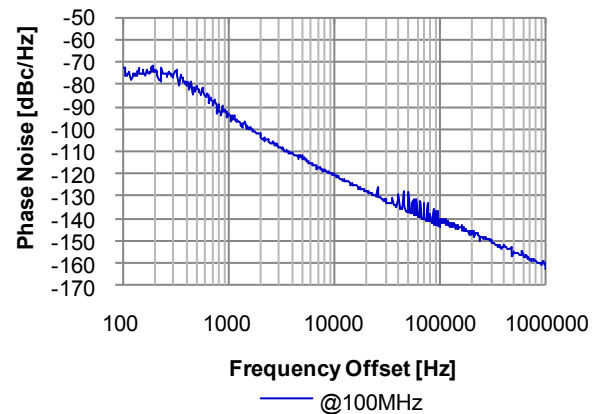


Features

- 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

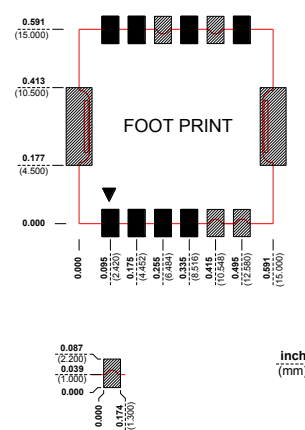
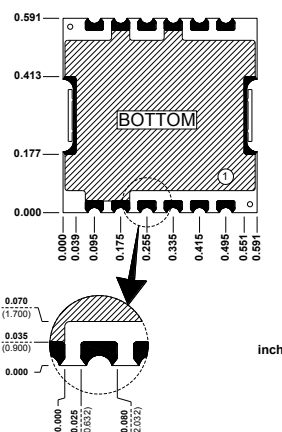
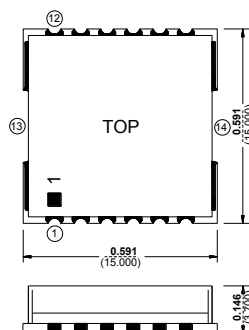


Electrical Characteristics



Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	99		101
Step Size	kHz		5	
Settling Time	msec		10	30
Output Power	dBm	+5.0	+7.0	+9.0
Output Impedance	Ω		50	
Phase Noise	@1kHz offset	dBc/Hz	-95	-90
	@10kHz offset	dBc/Hz	-121	-116
	@100kHz offset	dBc/Hz	-141	-136
	@1MHz offset	dBc/Hz	-160	-155
2nd Harmonic Suppression	dBc		-24	-20
Sideband Spurious Suppression	dBc			-65
Reference	Input Frequency	MHz	5	100
	Input Level	dBm	-5	+5
VCO Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	18	25
PLL Power Supply (Vcp)	Voltage	Vdc	5	
	Current	mA	5	10
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

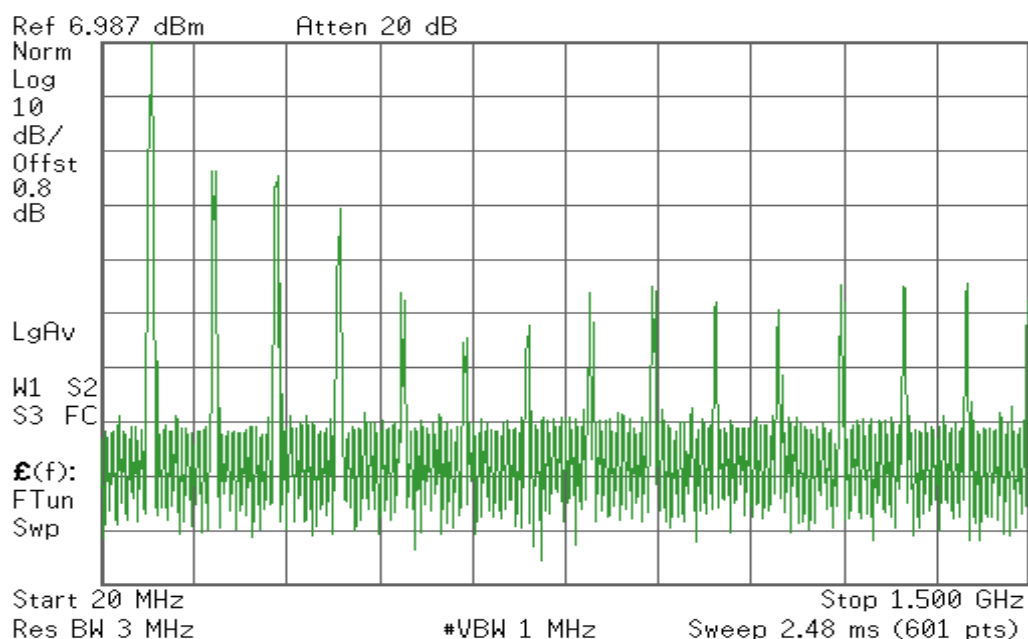
Dimensions



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

PACKAGE DRAWING : PS12-L

Harmonic Suppression



Sideband Spurious Suppression

