

Features

- 3 wire serial integer PLL
- Small Size 0.55"x0.57"x0.13"
- Low phase noise
- Programming : LMX2326(NSC)

Applications

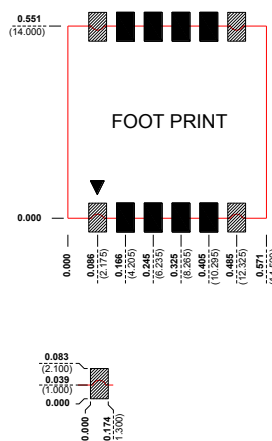
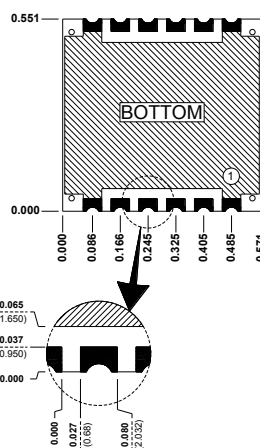
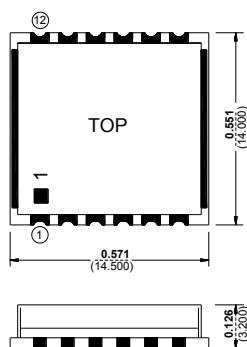
- Broadcast
- VHF radio
- Wireless Telemetry
- Test Instrument - Signal Generation

Electrical Characteristics



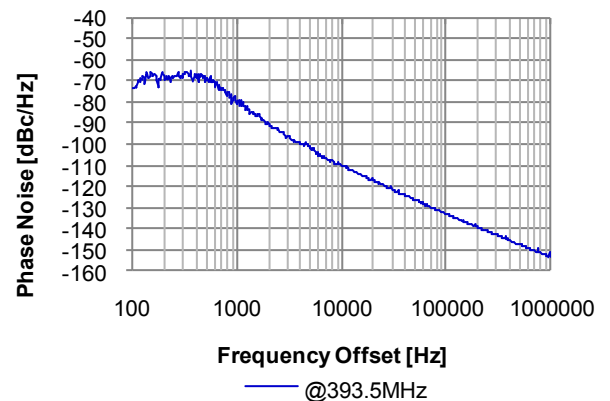
Parameter		Units	Min	Typ	Max
Operating Frequency Range		MHz	377		410
Step Size		kHz		5	
Settling Time		msec		10	30
Output Power		dBm	-2.0	0.0	+2.0
Output Impedance		Ω		50	
Phase Noise	@1kHz offset	dBc/Hz		-83	-78
	@10kHz offset	dBc/Hz		-111	-106
	@100kHz offset	dBc/Hz		-134	-129
	@1MHz offset	dBc/Hz		-153	-148
2nd Harmonic Suppression		dBc		-23	-15
Sideband Spurious Suppression		dBc			-55
Reference	Input Frequency	MHz	5		100
	Input Level	dBm	-5		+5
VCO Power Supply (Vcc)	Voltage	Vdc		5	
	Current	mA		14	25
PLL Power Supply (Vcp)	Voltage	Vdc		5	
	Current	mA		5	10
Operating Temp. Range		$^{\circ}\text{C}$	-40		+85

Dimensions

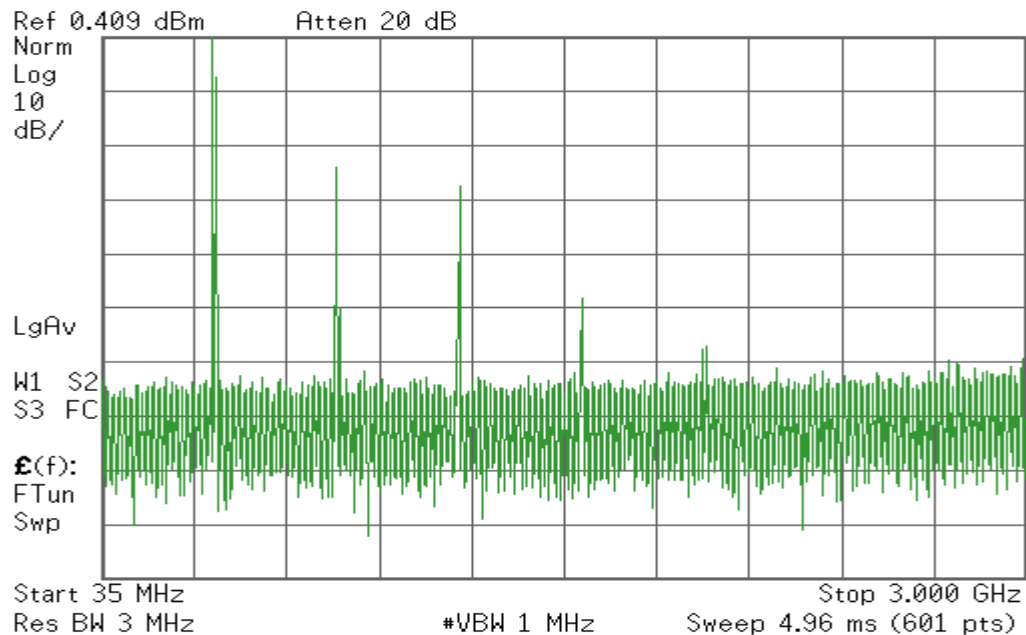


PIN CONNECTIONS	
1	GND
2	CLK
3	Vcc(VCO)
4	Lock Detect
5	RF Out
6-7	GND
8	Ref. In
9	Vcp(PLL)
10	DATA
11	LE
12	GND

PACKAGE DRAWING : PM12-L



Harmonic Suppression



Sideband Spurious Suppression

