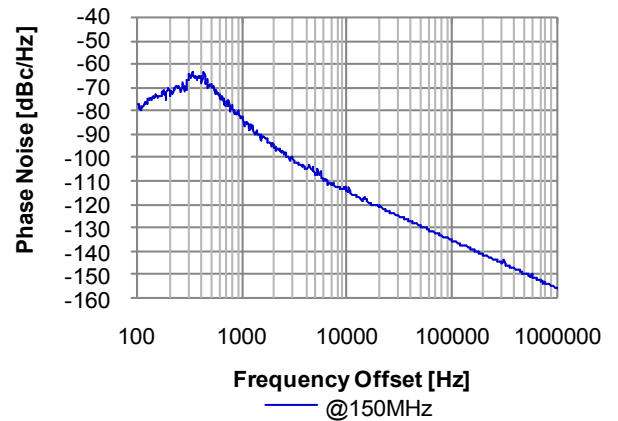


Features

- 3 wire serial integer PLL
- Compact Size 0.75"x0.75"x0.23"
- Low phase noise
- Programming : LMX2306(NSC)

Applications

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

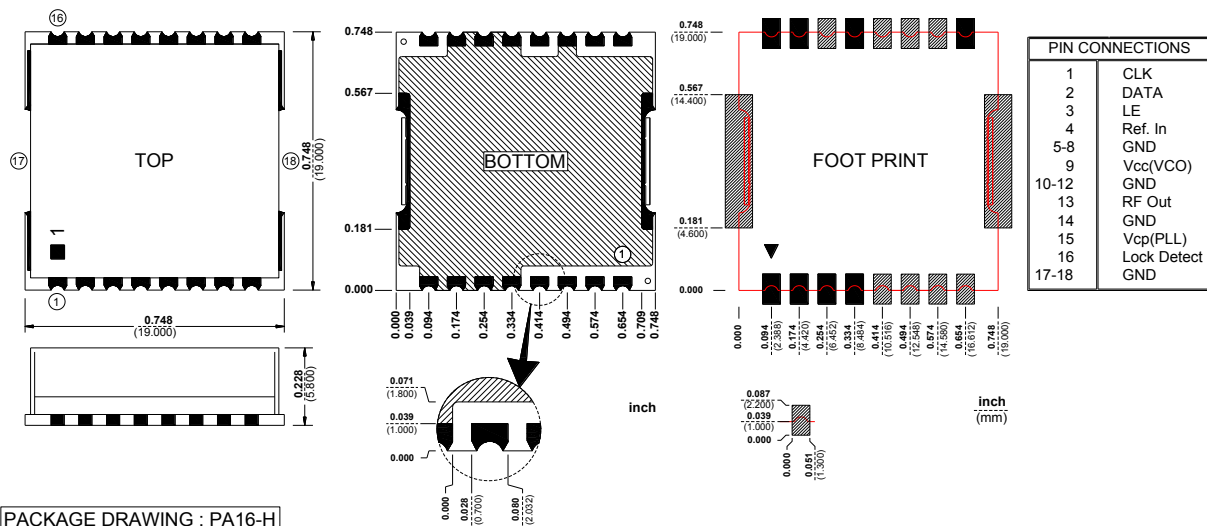


Electrical Characteristics

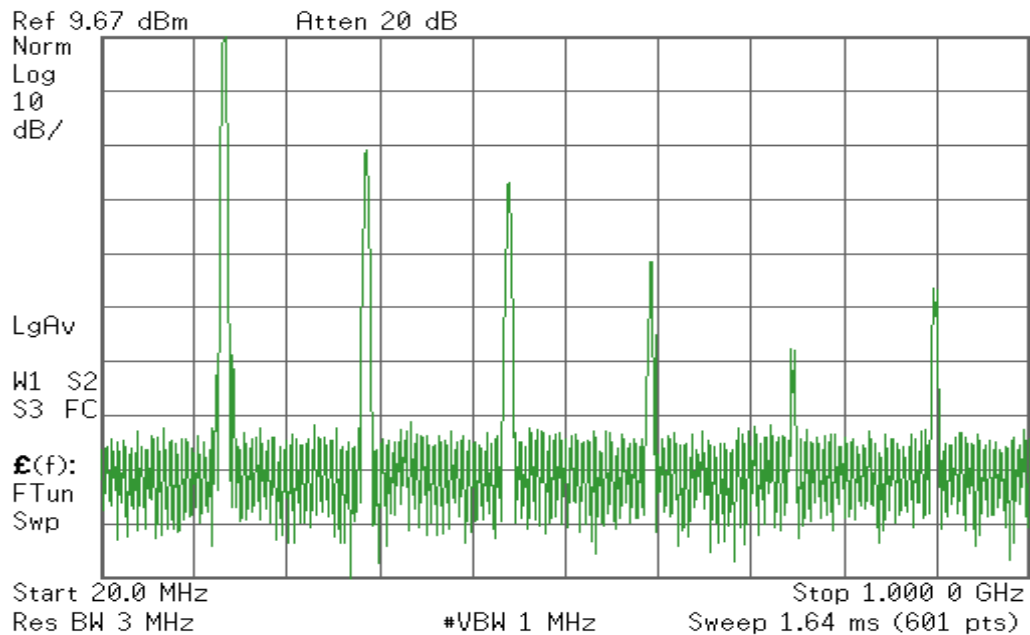


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	135		165
Step Size	kHz		5	
Settling Time	msec		10	30
Output Power	dBm	+8.0	+10.0	+12.0
Output Impedance	Ω		50	
Phase Noise	@1kHz offset		-85	-80
	@10kHz offset		-113	-108
	@100kHz offset		-135	-130
	@1MHz offset		-157	-152
2nd Harmonic Suppression	dBc		-21	-15
Sideband Spurious Suppression	dBc			-75
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



Harmonic Suppression



Sideband Spurious Suppression

