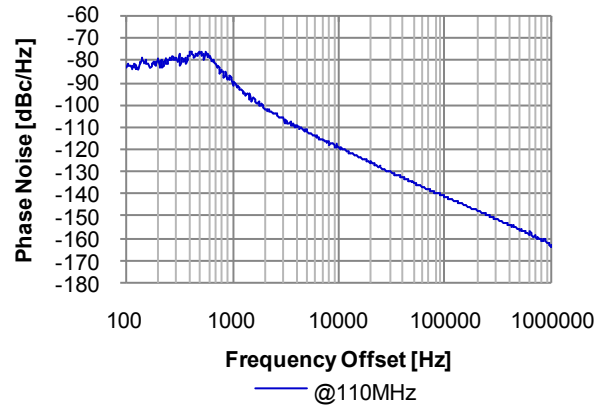


## Features

- 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

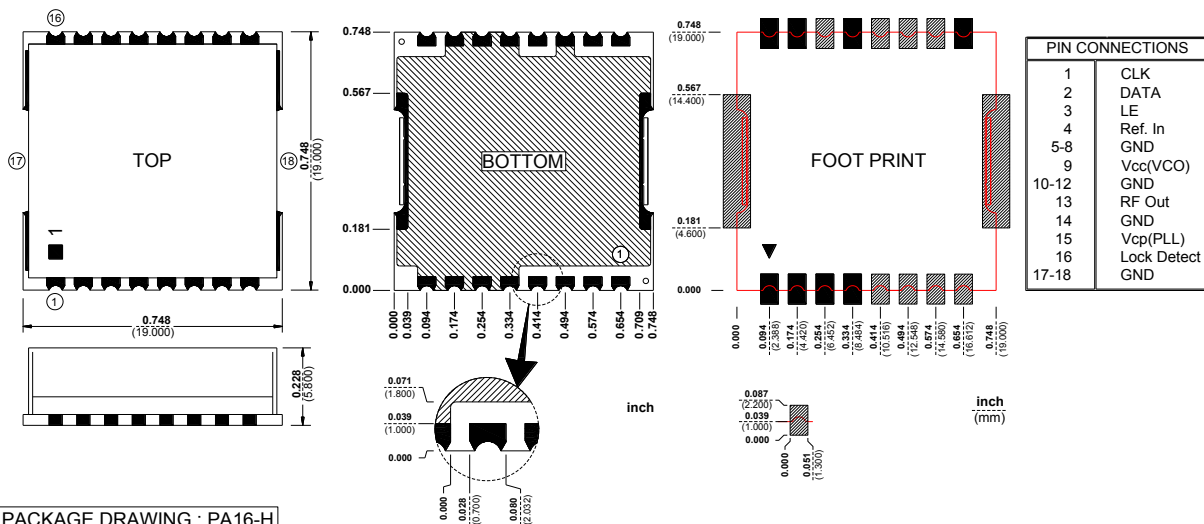


## Electrical Characteristics

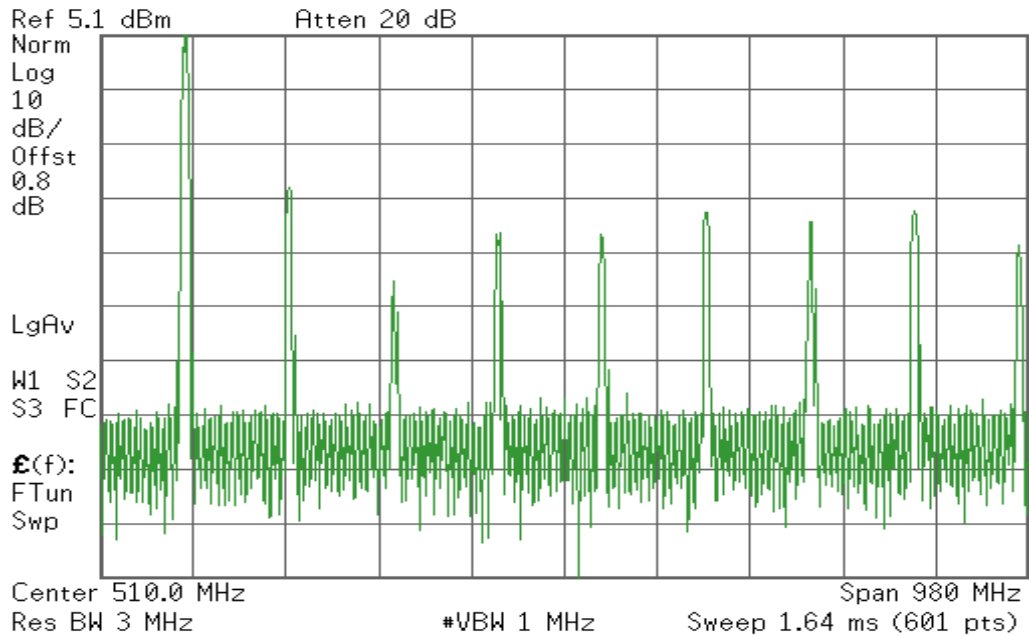


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	108		112
Step Size	kHz		10	
Settling Time	msec		10	30
Output Power	dBm	+3.0	+5.0	+7.0
Output Impedance	$\Omega$		50	
Phase Noise	@1kHz offset	dBc/Hz	-89	-84
	@10kHz offset	dBc/Hz	-118	-113
	@100kHz offset	dBc/Hz	-140	-135
	@1MHz offset	dBc/Hz	-162	-157
2nd Harmonic Suppression	dBc		-28	-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		13
PLL Power Supply (Vcp)	Voltage	Vdc		5
	Current	mA		5
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

## Dimensions



## Harmonic Suppression



## Sideband Spurious Suppression

