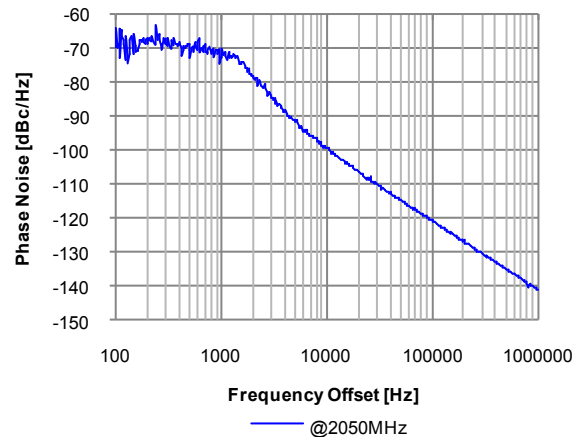


## Features

- 3 wire serial integer PLL
- Internal Reference(2.5ppm vs. Temp)
- Subminiature Size (0.5"x0.5"x0.12")
- Low phase noise
- Programming : ADF4113(ADI)

## Applications

- SATCOM radio link
- Receiver
- Test Equipment
- Radar
- Point-to-Point radio
- MMDS
- WiMAX

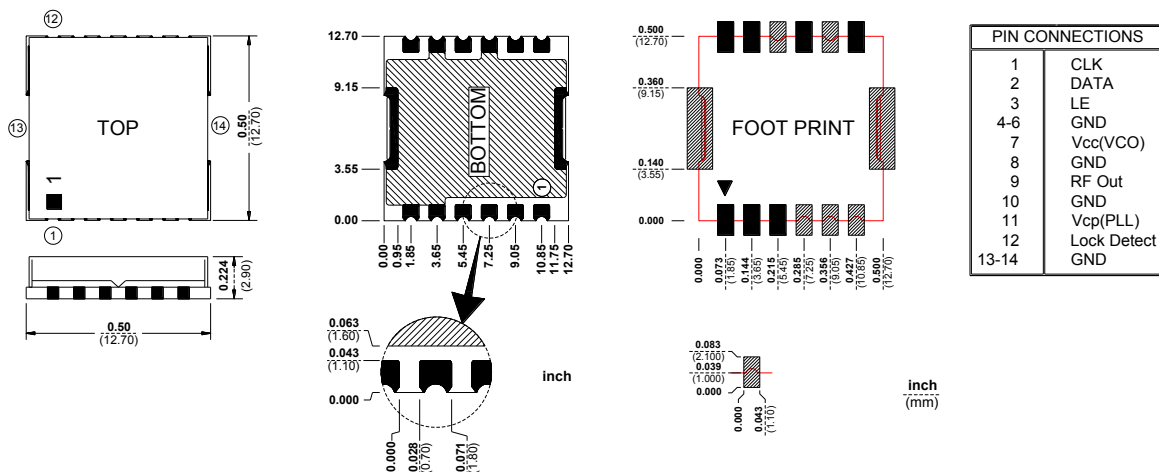


## Electrical Characteristics



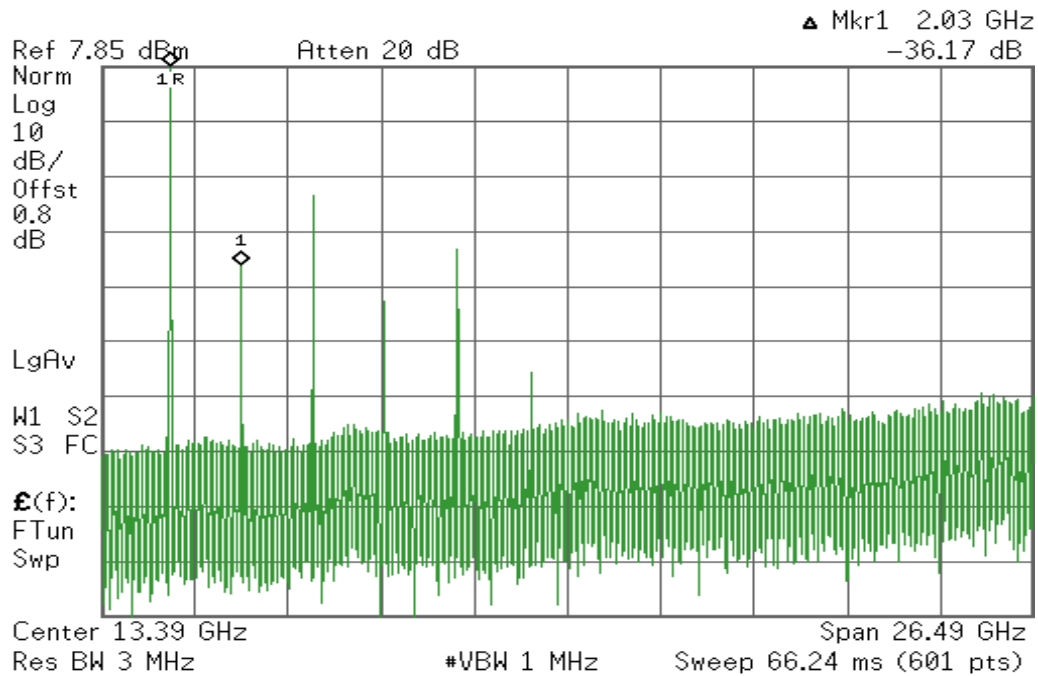
Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	2030		2070
Step Size	kHz		50	
Settling Time	msec		10	30
Output Power	dBm	+7.0	+9.0	+11.0
Output Impedance	$\Omega$		50	
Phase Noise	@1kHz offset	dBc/Hz	-73	-68
	@10kHz offset	dBc/Hz	-99	-94
	@100kHz offset	dBc/Hz	-121	-116
	@1MHz offset	dBc/Hz	-140	-135
2nd Harmonic Suppression	dBc		-36	-20
Sideband Spurious Suppression	dBc			-75
Reference	Frequency	MHz		13
	Freq. Stability	ppm		2.5
VCO Power Supply (Vcc)	Voltage	Vdc		5
	Current	mA		31
PLL Power Supply (Vcp)	Voltage	Vdc		5
	Current	mA		5
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

## Dimensions



PACKAGE DRAWING : PG12-L

## Harmonic Suppression



## Sideband Spurious Suppression

