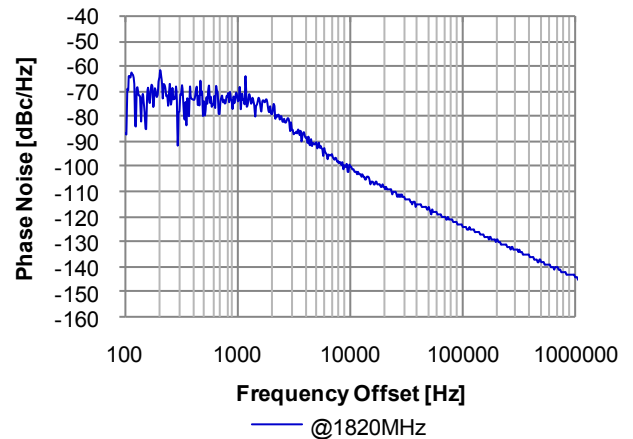


Features

- 3 wire serial integer PLL
- Internal Reference(2.5ppm vs. Temp)
- Subminiature Size (0.5"x0.5"x0.12")
- Low phase noise
- High Output Power (typ. +9dBm)
- Programming : ADF4113(ADI)

Applications

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

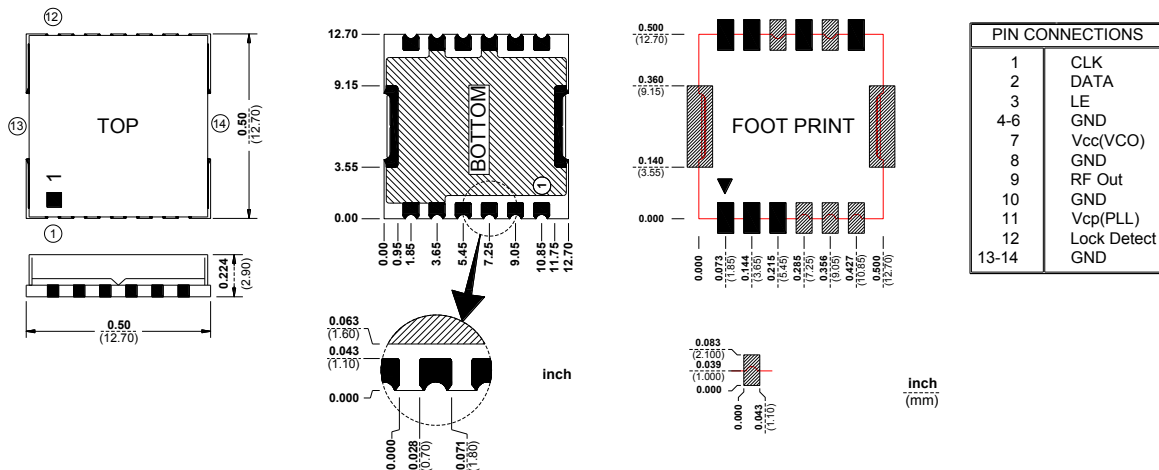


Electrical Characteristics



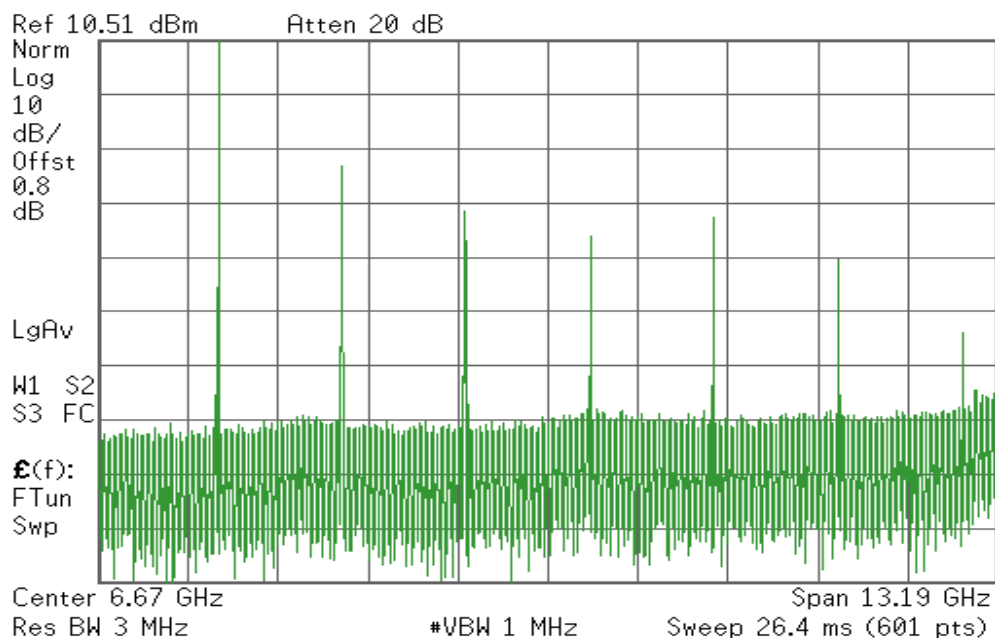
Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	1810		1830
Step Size	kHz		50	
Settling Time	msec		10	30
Output Power	dBm	+7.0	+9.0	+11.0
Output Impedance	Ω		50	
Phase Noise	@1kHz offset	dBc/Hz	-72	-67
	@10kHz offset	dBc/Hz	-101	-96
	@100kHz offset	dBc/Hz	-123	-118
	@1MHz offset	dBc/Hz	-143	-138
2nd Harmonic Suppression	dBc		-23	-15
Sideband Spurious Suppression	dBc			-80
Reference	Frequency	MHz	13	
	Freq. Stability	ppm		2.5
VCO Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	28	35
PLL Power Supply (Vcp)	Voltage	Vdc	5	
	Current	mA	5	10
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

Dimensions



PACKAGE DRAWING : PG12-L

Harmonic Suppression



Sideband Spurious Suppression

