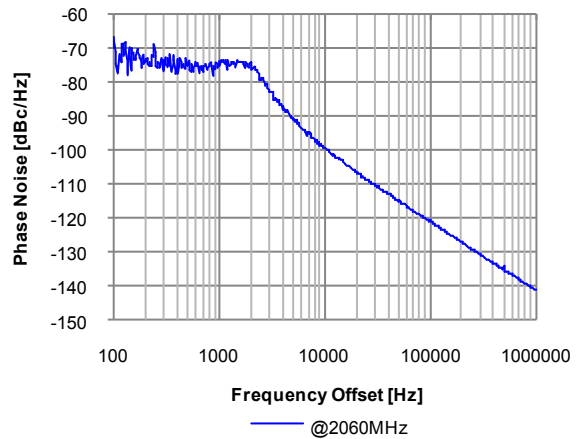


Features

- 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

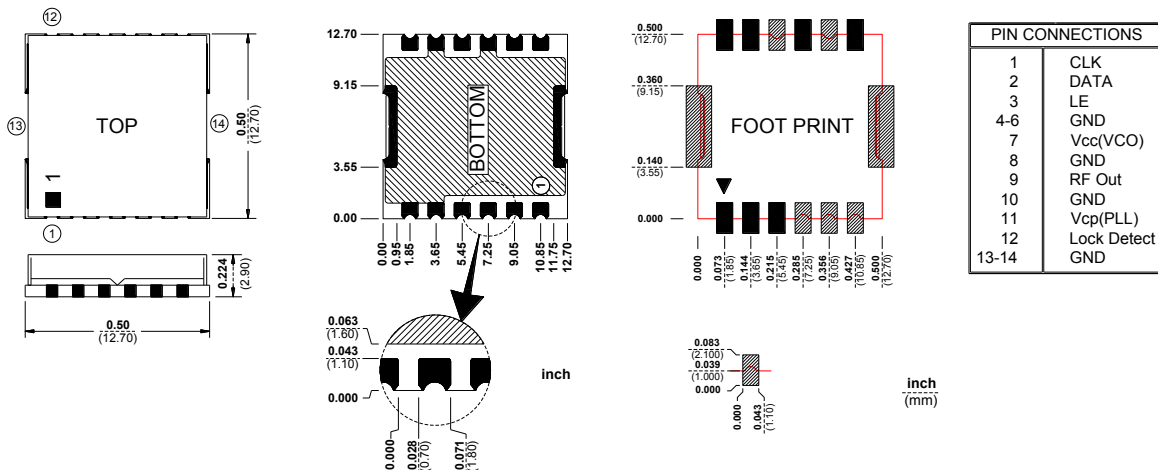


Electrical Characteristics



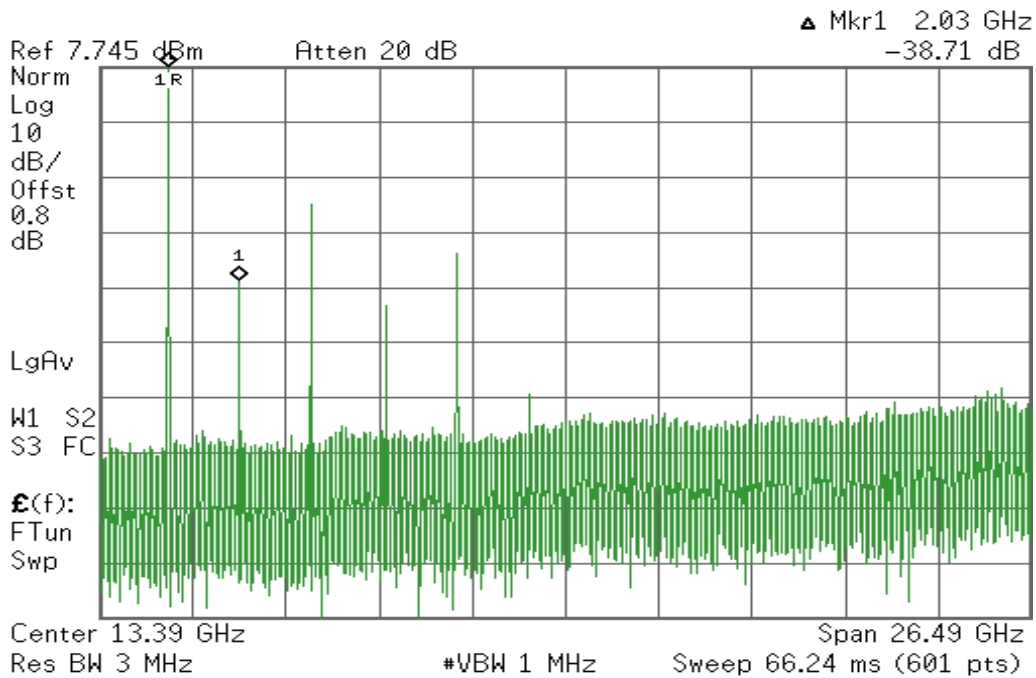
Parameter		Units	Min	Typ	Max
Operating Frequency Range		MHz	2050		2070
Step Size		kHz		100	
Settling Time		msec		10	30
Output Power		dBm	+5.0	+7.0	+9.0
Output Impedance		Ω		50	
Phase Noise	@1kHz offset	dBc/Hz		-72	-67
	@10kHz offset	dBc/Hz		-99	-94
	@100kHz offset	dBc/Hz		-121	-116
	@1MHz offset	dBc/Hz		-141	-136
2nd Harmonic Suppression		dBc		-38	-20
Sideband Spurious Suppression		dBc			-75
Reference	Frequency	MHz		13	
	Freq. Stability	ppm			2.5
VCO Power Supply (Vcc)	Voltage	Vdc		5	
	Current	mA		25	30
PLL Power Supply (Vcp)	Voltage	Vdc		5	
	Current	mA		5	10
Operating Temp. Range		$^{\circ}$ C	-40		+85

Dimensions



PACKAGE DRAWING : PG12-L

Harmonic Suppression



Sideband Spurious Suppression

