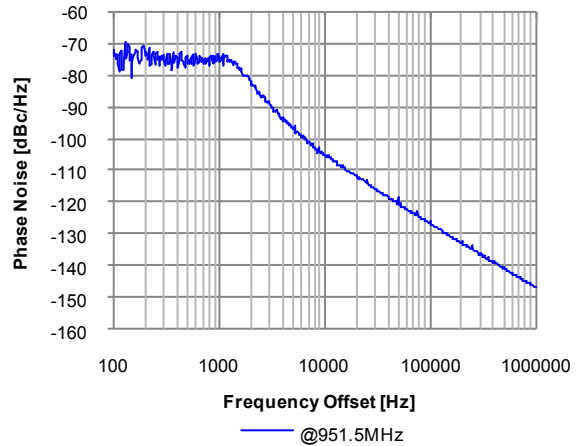


Features

- 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

- Base station
- Cable TV
- Satellite Communications
- UHF radio link

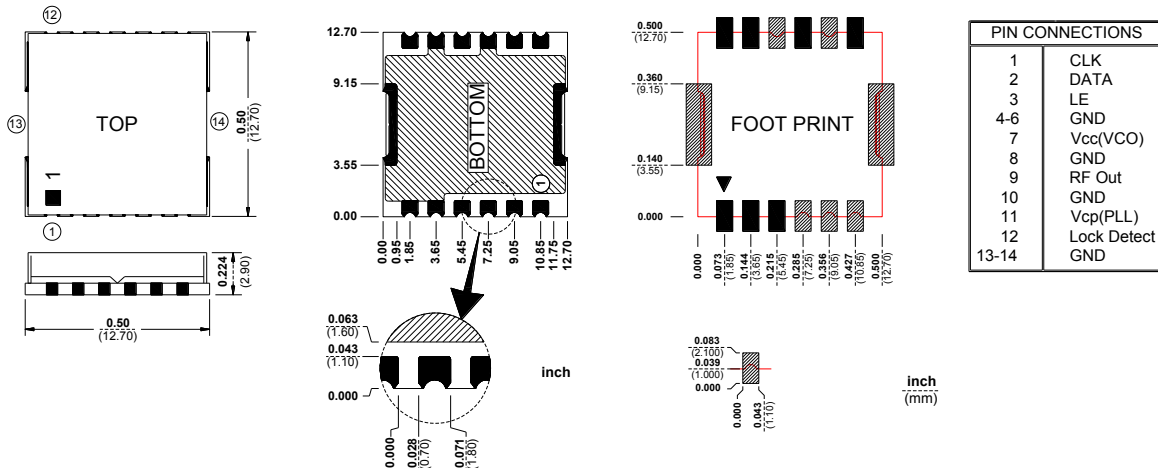


Electrical Characteristics



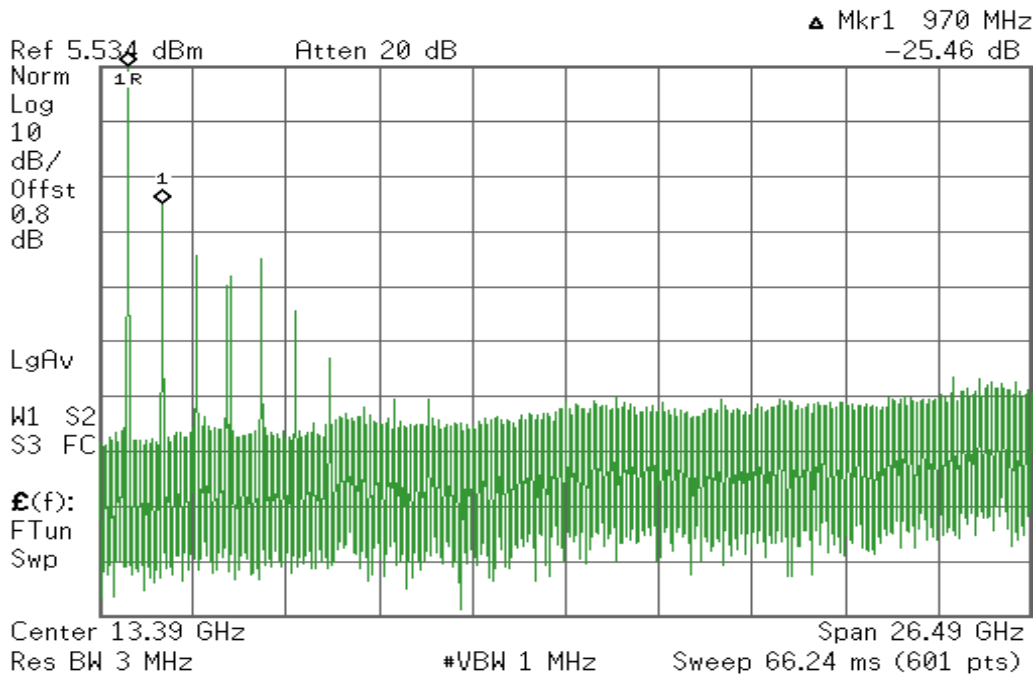
Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	941.50		961.50
Step Size	kHz		25	
Settling Time	msec		10	30
Output Power	dBm	+3.0	+5.0	+7.0
Output Impedance	Ω		50	
Phase Noise	@1kHz offset	dBc/Hz	-76	-71
	@10kHz offset	dBc/Hz	-105	-100
	@100kHz offset	dBc/Hz	-126	-121
	@1MHz offset	dBc/Hz	-146	-141
2nd Harmonic Suppression	dBc		-25	-20
Sideband Spurious Suppression	dBc			-75
Reference	Frequency	MHz	13	
	Freq. Stability	ppm		2.5
VCO Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	24	30
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

