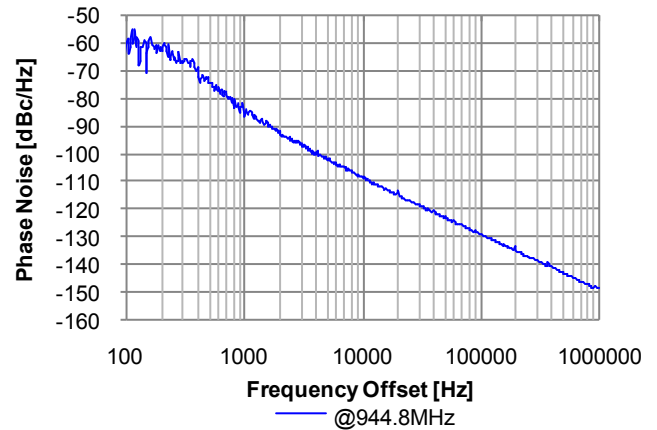


## Features

- 3 wire serial integer PLL
- Small Size 0.55"x0.57"x0.13"
- Low phase noise
- Programming : ADF4118(ADI)

## Applications

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

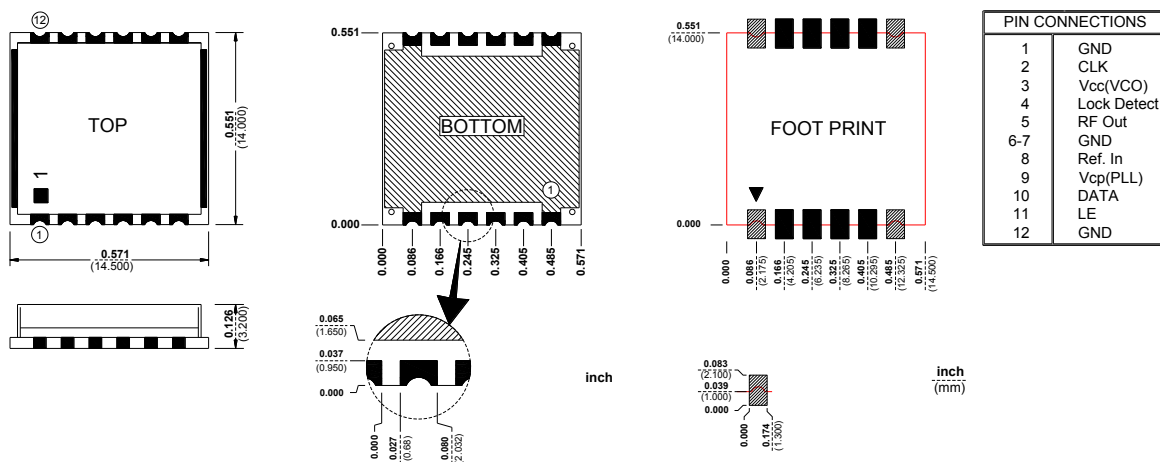


## Electrical Characteristics

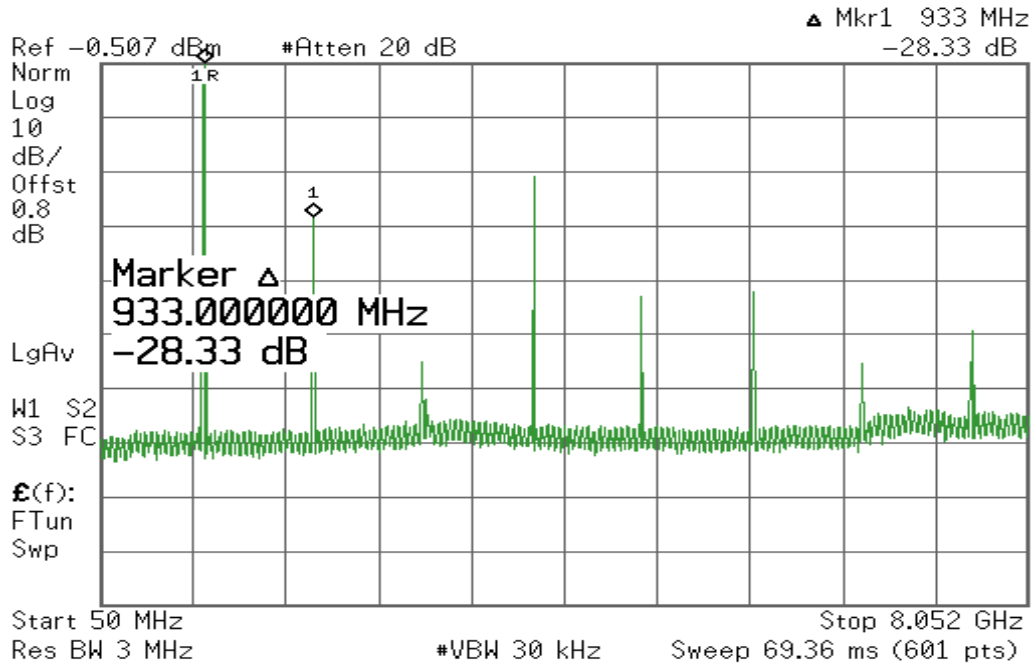


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	928.80		959.80
Step Size	kHz		10	
Settling Time	msec		10	30
Output Power	dBm	-2.0	0.0	+2.0
Output Impedance	$\Omega$		50	
Phase Noise	@1kHz offset	dBc/Hz	-83	-78
	@10kHz offset	dBc/Hz	-108	-103
	@100kHz offset	dBc/Hz	-129	-124
	@1MHz offset	dBc/Hz	-148	-143
2nd Harmonic Suppression	dBc		-28	-20
Sideband Spurious Suppression	dBc			-70
Reference	Input Frequency	MHz	5	100
	Input Level	dBm	-5	+5
VCO Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	20	30
PLL Power Supply (Vcp)	Voltage	Vdc	5	
	Current	mA	5	10
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

## Dimensions



## Harmonic Suppression



## Sideband Spurious Suppression

