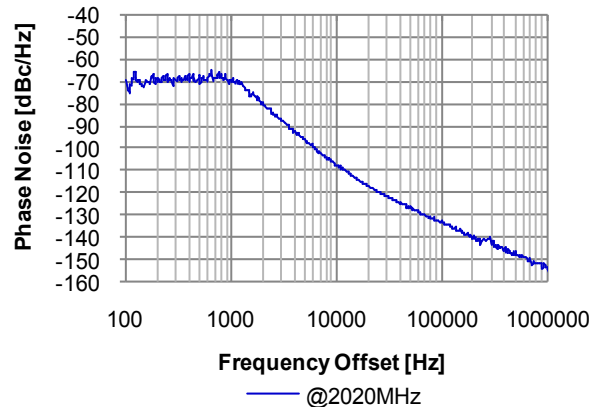


Features

- 3 wire serial Fractional PLL
- Compact Size (0.75"x0.75"x0.23")
- Very Low phase noise (typ. -109@10kHz)
- Programming : ADF4118(ADI)

Applications

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

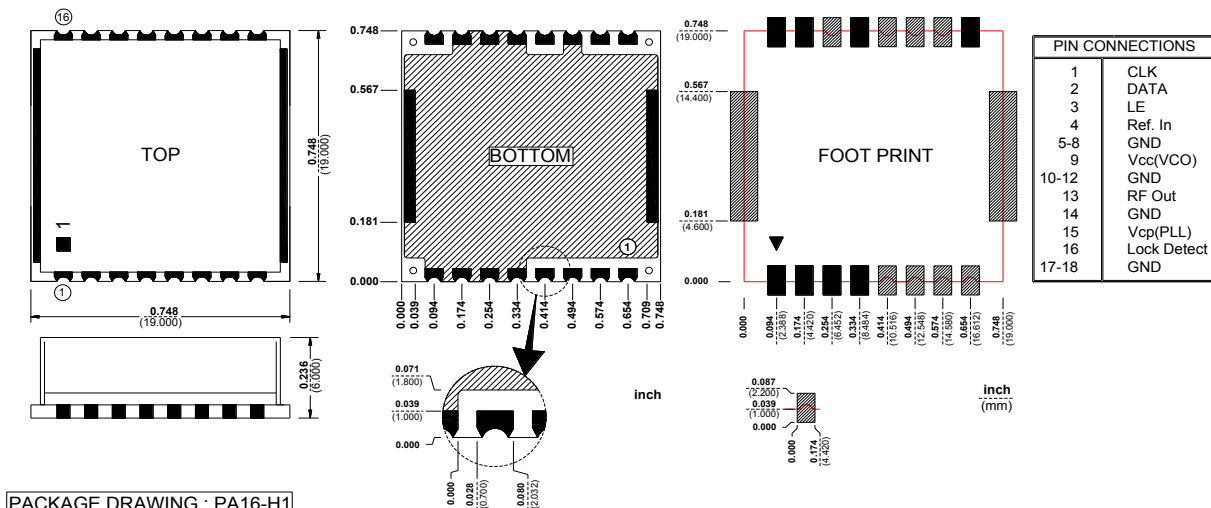


Electrical Characteristics

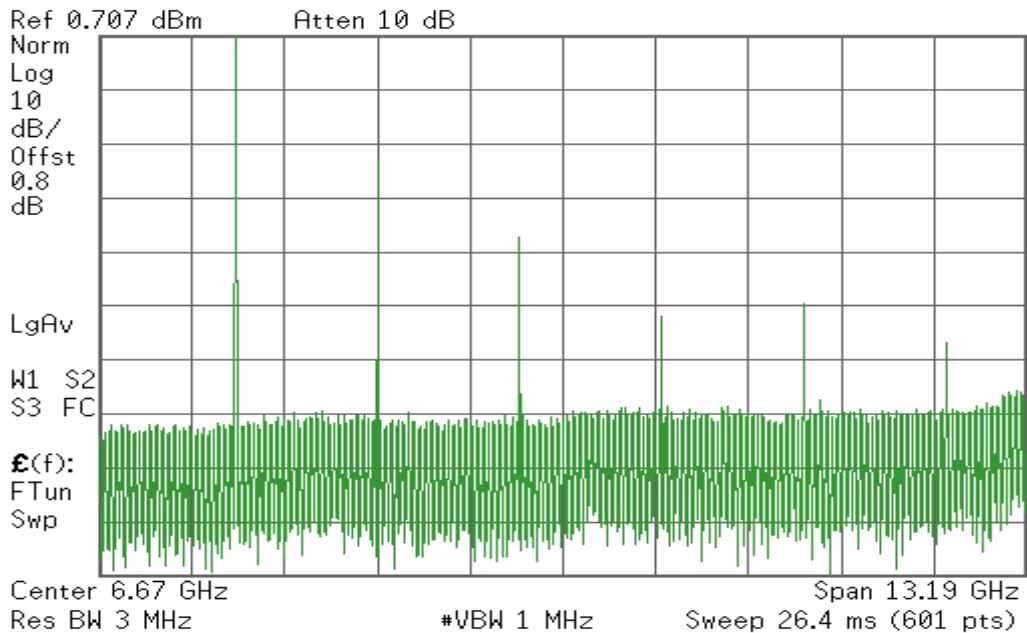


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	1990		2050
Step Size	kHz		50	
Settling Time	msec		10	30
Output Power	dBm	-2.0	0.0	+2.0
Output Impedance	Ω		50	
Phase Noise	@1kHz offset	dBc/Hz	-70	-65
	@10kHz offset	dBc/Hz	-109	-104
	@100kHz offset	dBc/Hz	-134	-129
	@1MHz offset	dBc/Hz	-153	-148
2nd Harmonic Suppression	dBc		-23	-20
Sideband Spurious Suppression	dBc			-65
Reference	Input Frequency	MHz	5	100
	Input Level	dBm	-5	+5
VCO Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	25	35
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

