PHASE NOISE (1 Hz BW, typical)





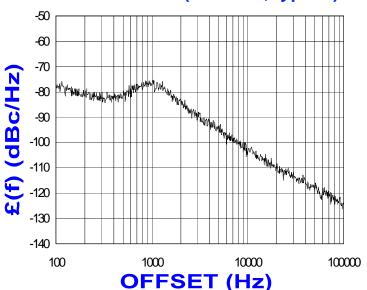
• Frequency Range: 1500 - 1600 MHz

• Step Size: 1000 KHz

cPLL - Style Package

APPLICATIONS

- Fixed Wireless Broadband Equipment
- Point-to-Point Microwave Radio
- Satellite Communication Systems



PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Frequency Range	1500 - 1600	MHz
RMS Phase Error (100 Hz - 100 KHz)	1.0	0
Harmonic Suppression (2nd, typ.)	-20	dBc
Sideband Spurs (typ.)	-70	dBc
Power Output	1.5±2.5	dBm
Load Impedance	50	Ω
Step Size	1000	KHz
Charge Pump Output Current	1250	μΑ
Switching Speed (typ., adjacent channel)	2	mSec
Startup Lock Time (typ.)	3	mSec
Operating Temperature Range	-40 to 85	°C
Package Style	cPLL	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	37	mA

All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES

• AN-107: How to Solder Z-COMM VCOs / PLLs

• AN-200 : Mounting and Grounding of Z-COMM PLLs

• AN-201 : PLL Fundamentals AN-202 : PLL Functional Description

NOTES:

Reference Oscillator Signal: 5 MHz<f_{osc}<100 MHz Frequency Synthesizer: Analog Devices - ADF4113

