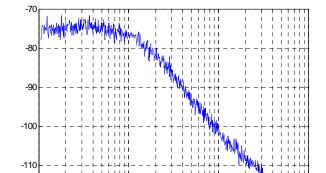


£(f) (dBc/Hz)

-120

-130 L 10²



PHASE NOISE (1 Hz BW, typical)

FEATURES

Frequency Range: 102.4 - 102.4 MHz

• Step Size: 50 KHz

cPLL - Style Package

APPLICATIONS

- Telecommunications
- Satellite
- Telemetry

OFFSET (Hz)

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Frequency Range	102.4 - 102.4	MHz
RMS Phase Error (100 Hz - 100 KHz)	1.0	0
Harmonic Suppression (2nd, typ.)	-10	dBc
Sideband Spurs (typ.)	-65	dBc
Power Output	0±2	dBm
Load Impedance	50	Ω
Step Size	50	KHz
Charge Pump Output Current	1250	μА
Switching Speed (typ., adjacent channel)	n/a	mSec
Startup Lock Time (typ.)	4	mSec
Operating Temperature Range	-40 to 85	°C
Package Style	cPLL	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	3	Vdc
Supply Current (Icc, typ.)	21	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 - ADF4001

