

FEATURES

275 - 325 MHz

100 KHz

• cPLL - Style Package

• Frequency Range:

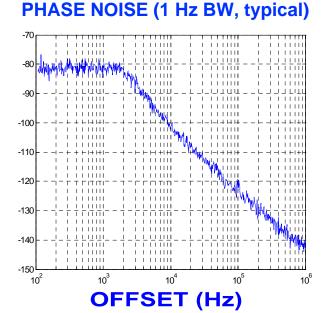
APPLICATIONS

- Satellite Modems
- Mobile Radios

• Step Size:

CATV

E(f) (dBc/Hz)



PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Frequency Range	275 - 325	MHz
RMS Phase Error (100 Hz - 100 KHz)	1.0	0
Harmonic Suppression (2nd, typ.)	-7	dBc
Sideband Spurs (typ.)	-65	dBc
Power Output	4±3	dBm
Load Impedance	50	Ω
Step Size	100	KHz
Charge Pump Output Current	1250	μΑ
Switching Speed (typ., adjacent channel)	3	mSec
Startup Lock Time (typ.)	5	mSec
Operating Temperature Range	-40 to 85	°C
Package Style	cPLL	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	24	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 IC: Analog Devices - ADF4113

