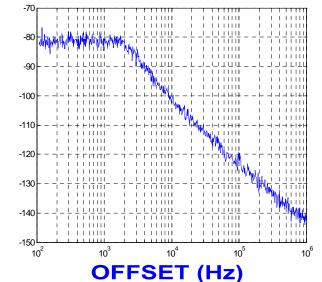


PHASE NOISE (1 Hz BW, typical)





cPLL - Style Package

FEATURES

275 - 325 MHz

100 KHz

Satellite Modems

• Frequency Range:

• Step Size:

APPLICATIONS

 Mobile Radios • CATV

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		

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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.

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APPLICATION NOTES

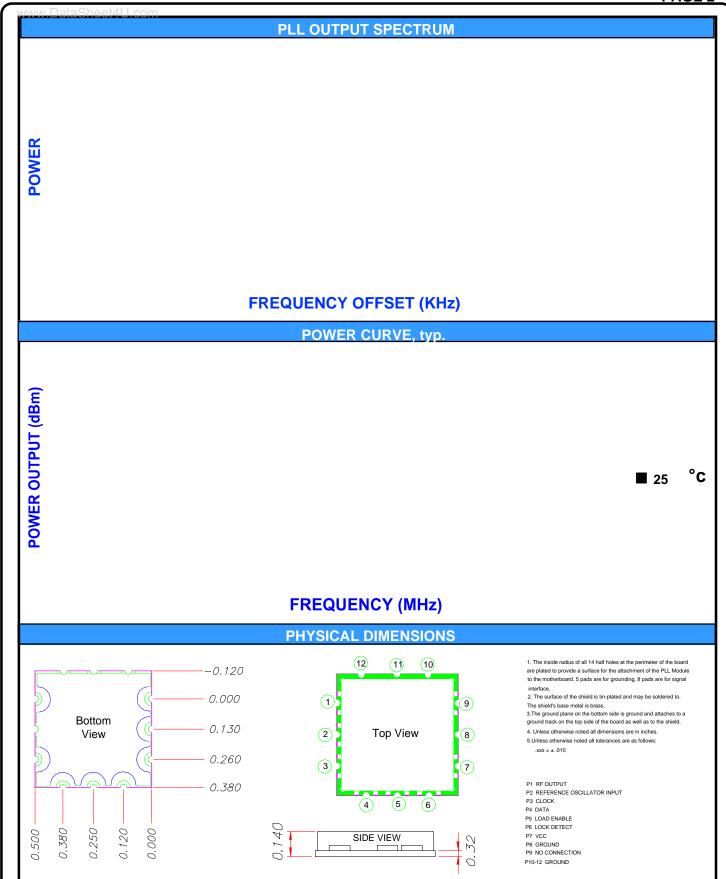
• AN-107: How to Solder Z-COMM VCOs / PLLs

• 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



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