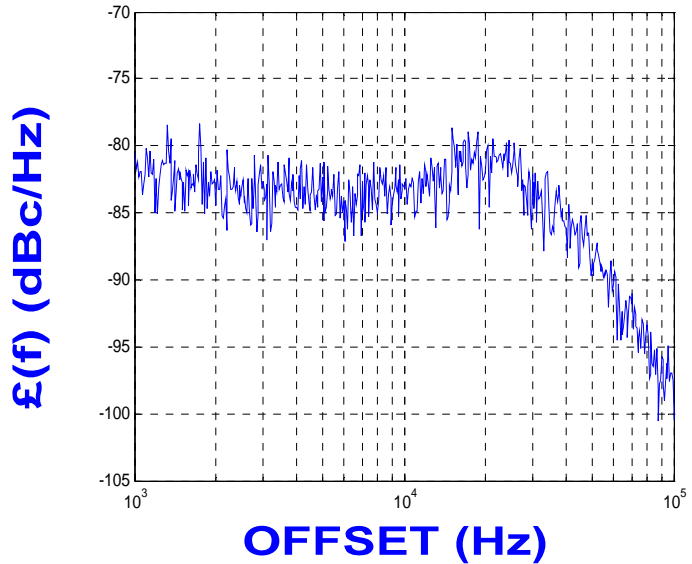


**PHASE NOISE (1 Hz BW, typical)**



FEATURES
<ul style="list-style-type: none"> <li>• Frequency Range: 5220 - 5420 MHz</li> <li>• Step Size: 1000 KHz</li> <li>• PLL - Style Package</li> </ul>
APPLICATIONS
<ul style="list-style-type: none"> <li>• HIPERLAN</li> <li>• Microwave Radios</li> <li>• Wireless Broadband Access</li> </ul>

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Frequency Range	5220 - 5420	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-87	dBc/Hz
Harmonic Suppression (2nd, typ.)	-25	dBc
Sideband Spurs (typ.)	-70	dBc
Power Output	2.25±3.25	dBm
Load Impedance	50	$\Omega$
Step Size	1000	kHz
Charge Pump Output Current	5000	$\mu$ A
Switching Speed (typ., adjacent channel)	1	mSec
Startup Lock Time (typ.)	1	mSec
Operating Temperature Range	-40 to 85	$^{\circ}$ C
Package Style	PLL	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	38	mA

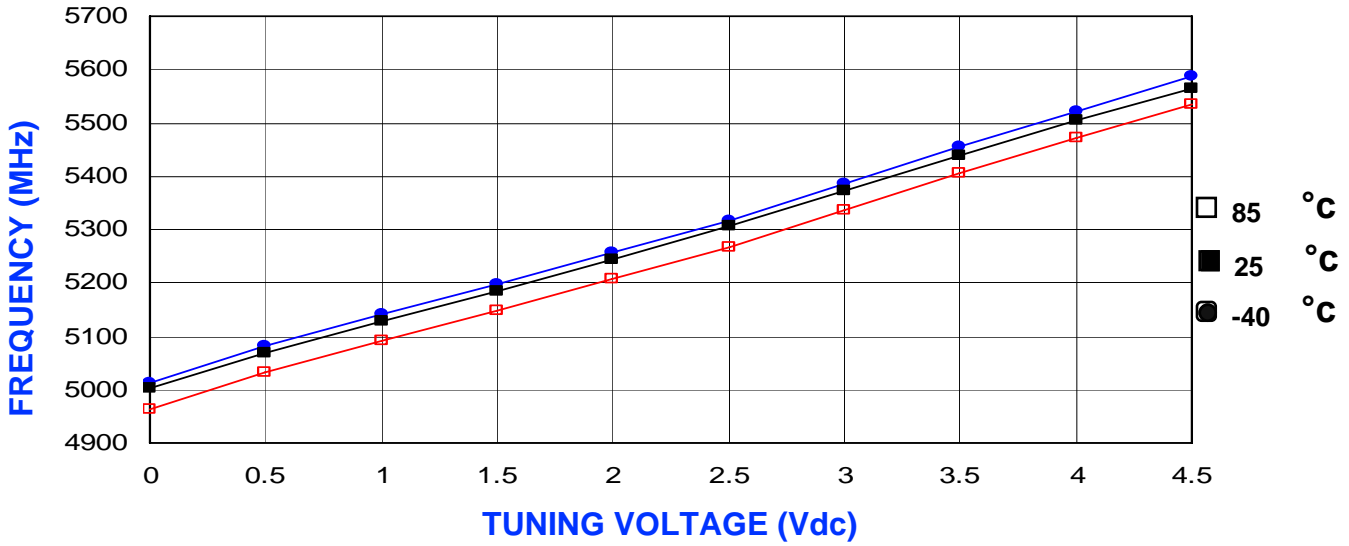
All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES
<ul style="list-style-type: none"> <li>• AN-107 : How to Solder Z-COMM VCOs / PLLs</li> <li>• AN-202 : PLL Functional Description</li> </ul>

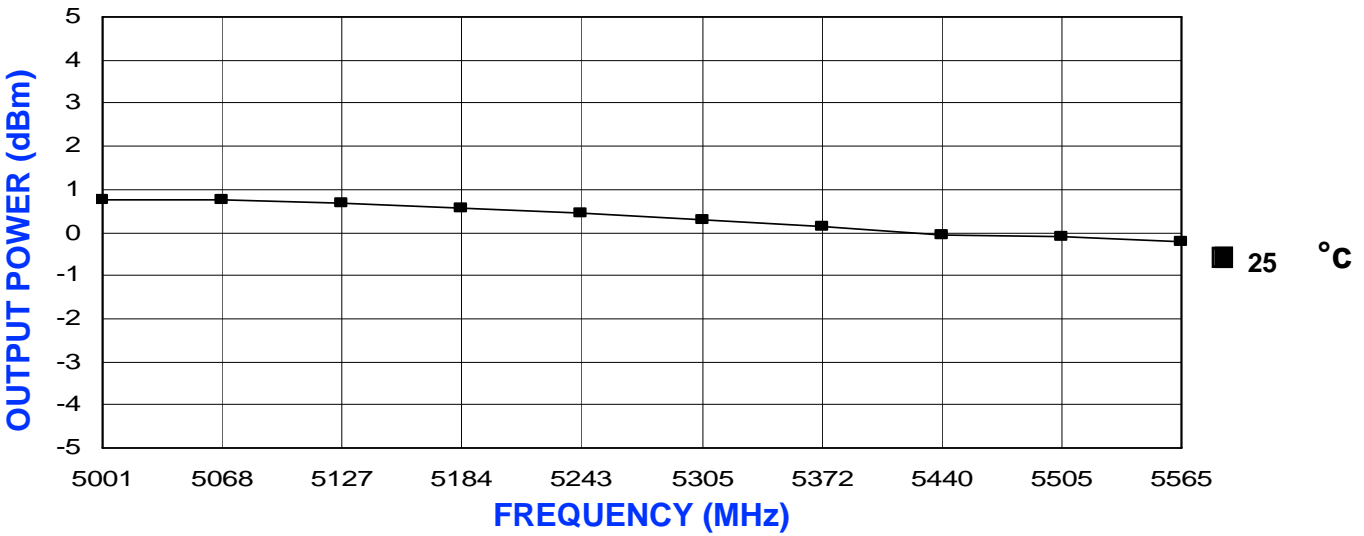
**NOTES:**

Reference Oscillator Signal:  $5 \text{ MHz} < f_{\text{osc}} < 100 \text{ MHz}$   
 Frequency Synthesizer: Analog Devices - ADF4106

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

