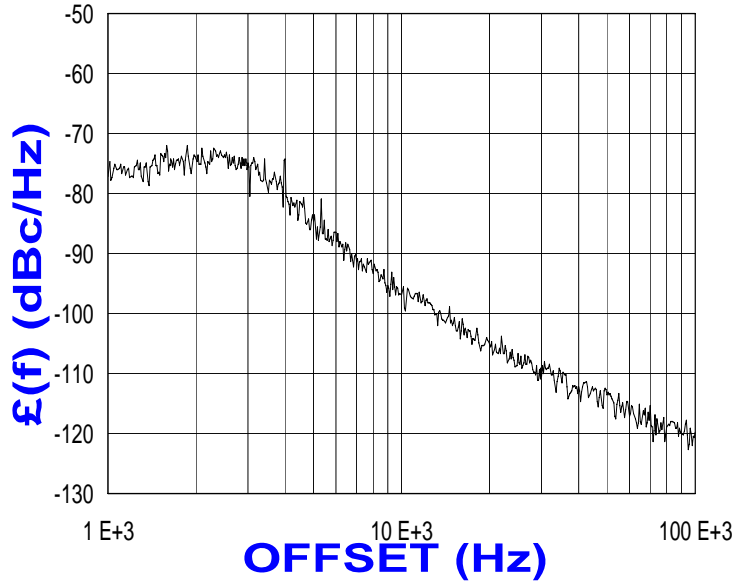


**PHASE NOISE (1 Hz BW, typical)**



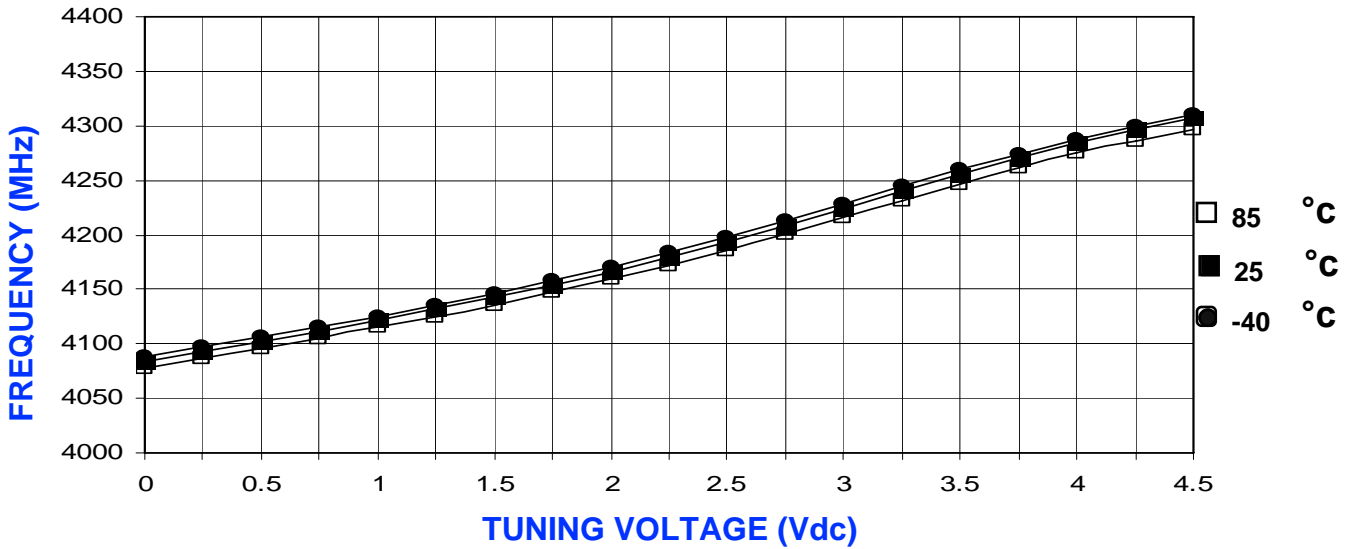
FEATURES
• Frequency Range: 4144 - 4260 MHz
• Step Size: 250 KHz
• PLL - Style Package
APPLICATIONS
• Microwave Radios
• Satellite Communications
• Direct Broadcast

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Frequency Range	4144 - 4260	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-96	dBc/Hz
Harmonic Suppression (2nd, typ.)	-12	dBc
Sideband Spurs (typ.)	-70	dBc
Power Output	0±3	dBm
Load Impedance	50	Ω
Step Size	250	KHz
Charge Pump Output Current	5000	μA
Switching Speed (typ., adjacent channel)	2	mSec
Startup Lock Time (typ.)	2	mSec
Operating Temperature Range	-40 to 85	°C
Package Style	PLL	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	26	mA

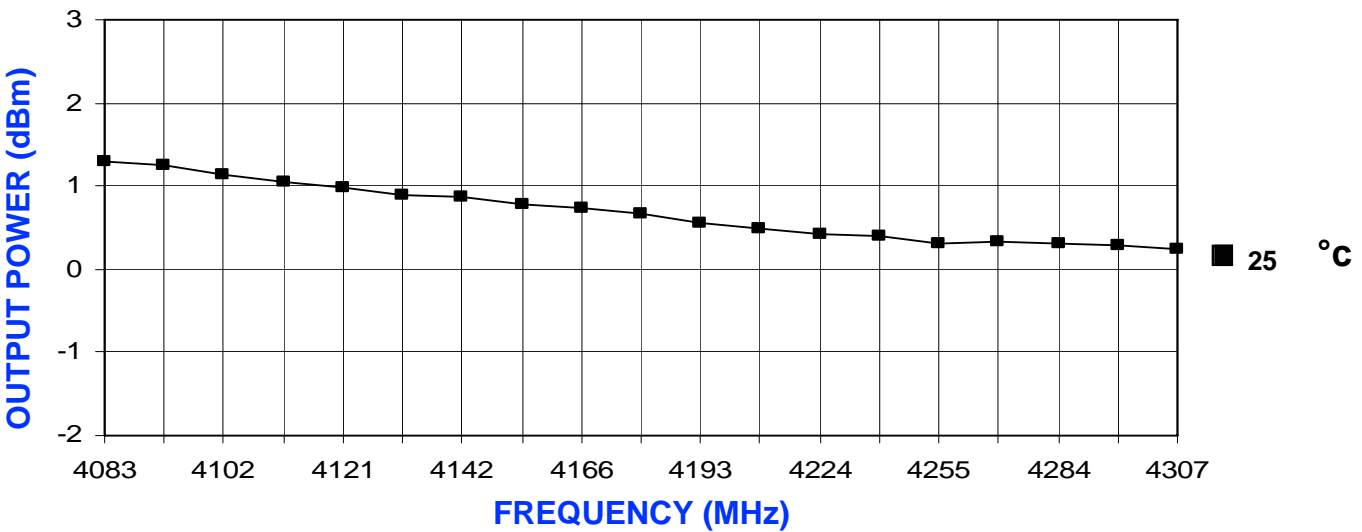
All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES
<ul style="list-style-type: none"> <li>• AN-107 : How to Solder Z-COMM VCOs / PLLs</li> <li>• AN-200 : Mounting and Grounding of Z-COMM PLLs</li> <li>• AN-201 : PLL Fundamentals      AN-202 : PLL Functional Description</li> </ul>
<p><b>NOTES:</b></p> <p>Reference Oscillator Signal: 5 MHz &lt;math&gt;f_{osc}&lt;/math&gt; &lt;math&gt;&lt; 100&lt;/math&gt; MHz</p> <p>Frequency Synthesizer: Analog Devices - ADF4113</p>

**VCO TUNING CURVE, typ.**



**VCO POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

