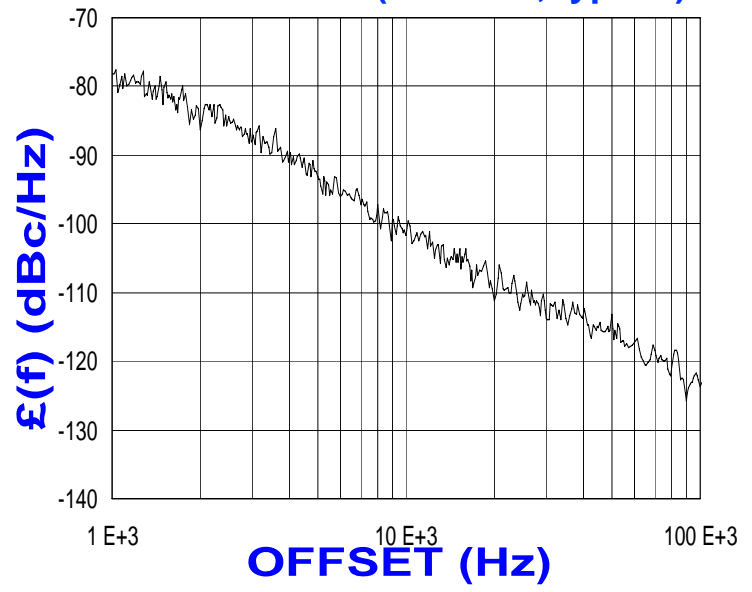


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 85 - 95 MHz
- Step Size: 50 KHz
- cPLL - Style Package

**APPLICATIONS**

- Telecommunications
- Satellite
- Telemetry

**PERFORMANCE SPECIFICATIONS**

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Frequency Range	85 - 95	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-101	dBc/Hz
Harmonic Suppression (2nd, typ.)	-10	dBc
Sideband Spurs (typ.)	-65	dBc
Power Output	0.5±2.5	dBm
Load Impedance	50	Ω
Step Size	50	KHz
Charge Pump Output Current	1250	μA
Switching Speed (typ., adjacent channel)	<4	mSec
Startup Lock Time (typ.)	4	mSec
Operating Temperature Range	-40 to 85	°C
Package Style	cPLL	

**POWER SUPPLY REQUIREMENTS**

Supply Voltage (Vcc, nom.)	3.3	Vdc
Supply Current (Icc, typ.)	25	mA

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

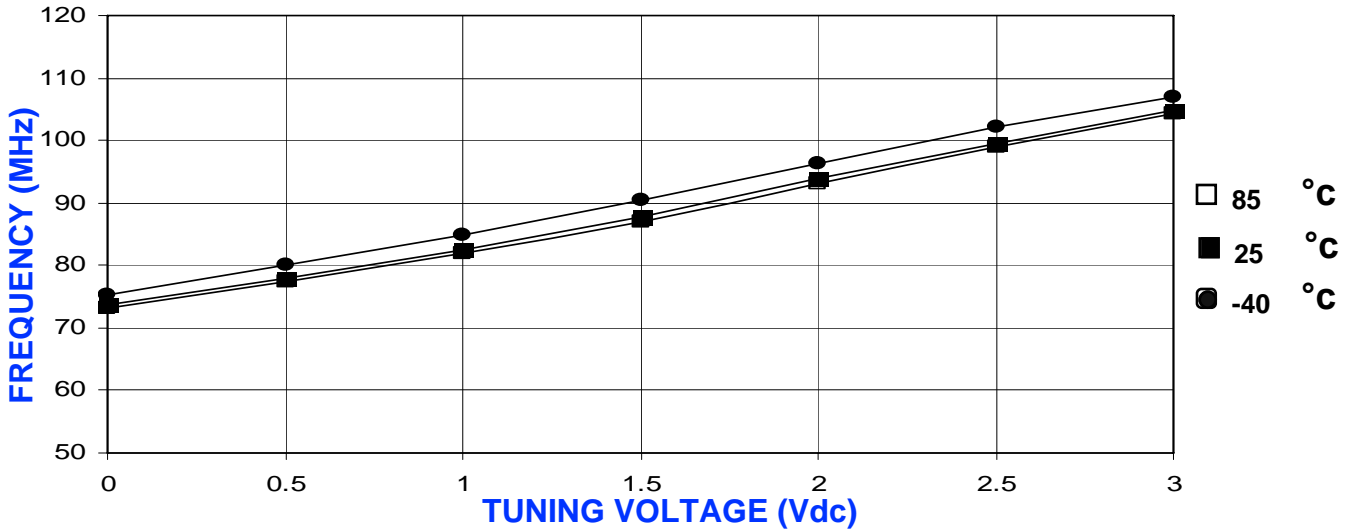
**APPLICATION NOTES**

- 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

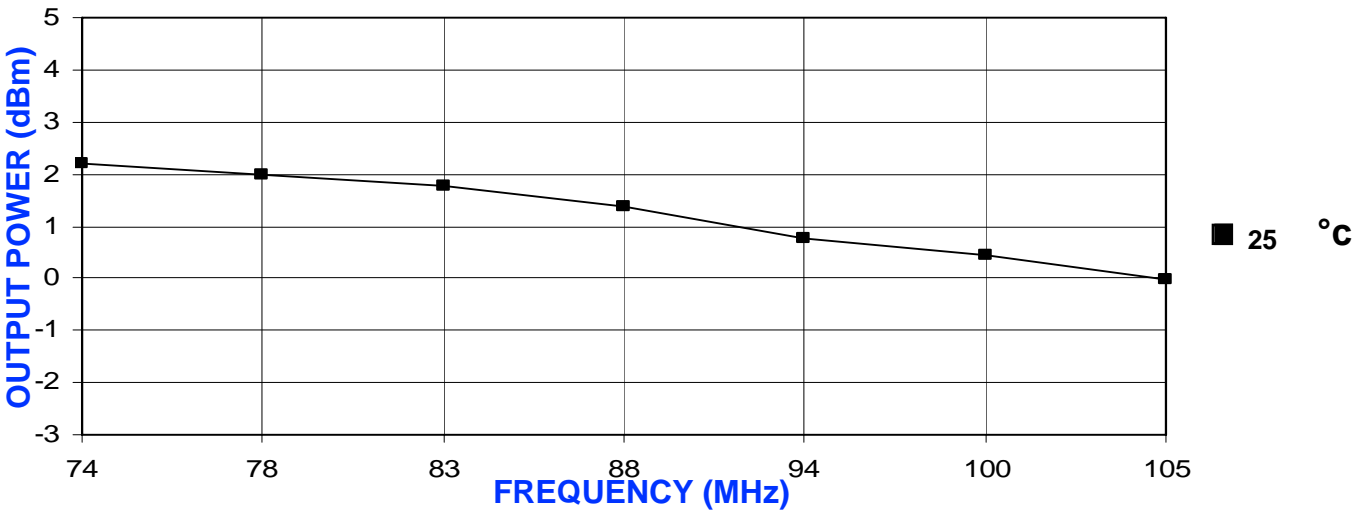
**NOTES:**

Reference Oscillator Signal: 5 MHz <math>f\_{osc}</math> <math>< 100</math> MHz  
 Frequency Synthesizer: Analog Devices - ADF4001

**VCO TUNING CURVE, typ.**



**VCO POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

