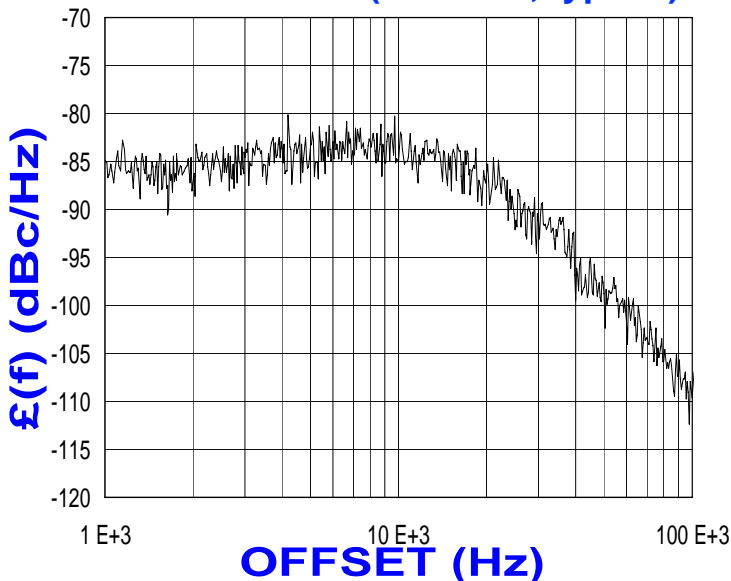


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 3400 - 3600 MHz
- Step Size: 1000 KHz
- PLL - Style Package

**APPLICATIONS**

- Telecommunications
- Satellite Communication

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Frequency Range	3400 - 3600	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-85	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Sideband Spurs (typ.)	-70	dBc
Power Output	0±3	dBm
Load Impedance	50	Ω
Step Size	1000	kHz
Charge Pump Output Current	2500	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.)	40	mA

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

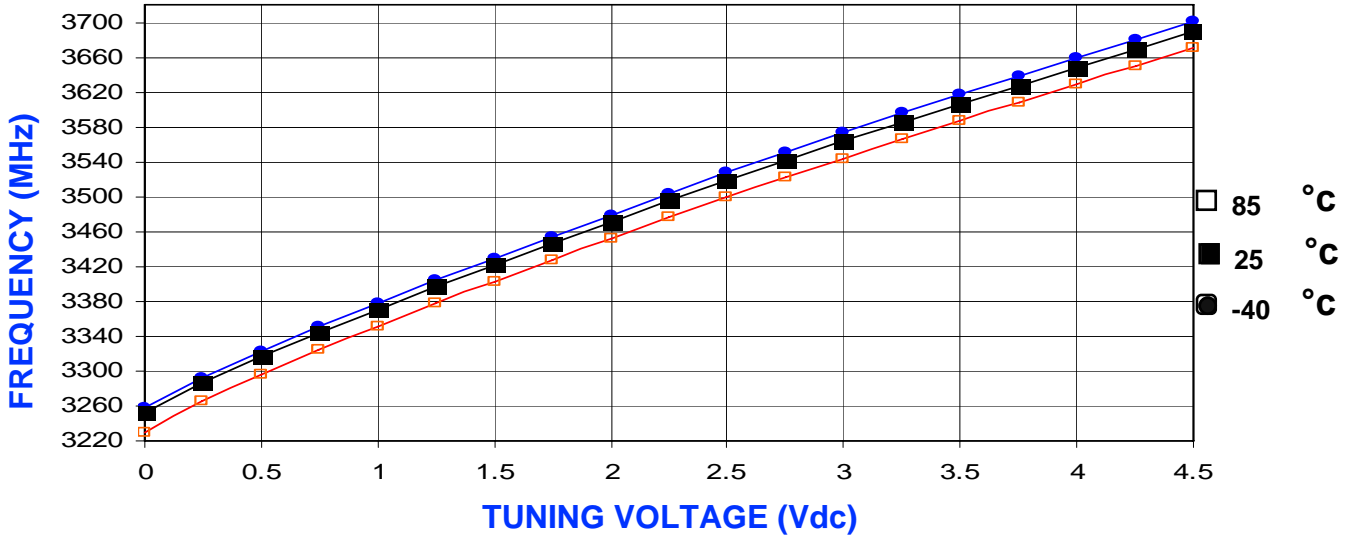
**APPLICATION NOTES**

- AN-107 : How to Solder Z-COMM VCOs / PLLs
- AN-202 : PLL Functional Description

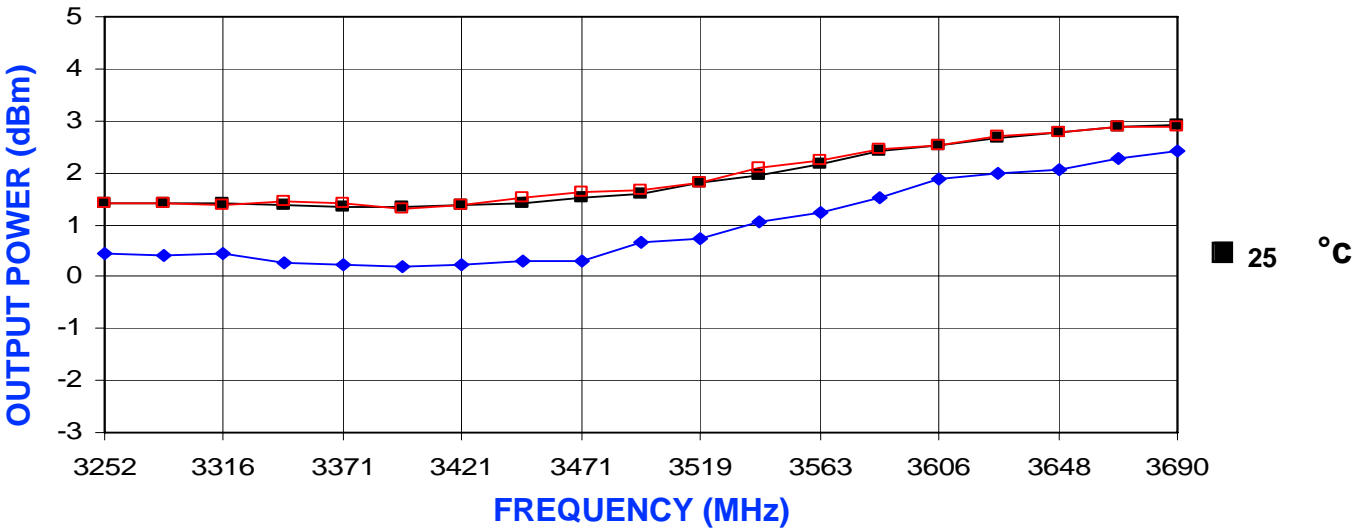
**NOTES:**

Reference Oscillator Signal: 5 MHz <math>f\_{osc}</math> <math>< 100</math> MHz      Prescaler: 32  
 Frequency Synthesizer: Analog Devices - ADF4106

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

