

**FEATURES**

- Frequency Range: 4198 - 4261 MHz
- Step Size: 250 KHz
- PLL-24H - Style Package

**APPLICATIONS**

- Microwave Radios
- Satellite Communications
- Direct Broadcast

**PERFORMANCE SPECIFICATIONS**

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Frequency Range	4198 - 4261	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	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-24H	

**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**

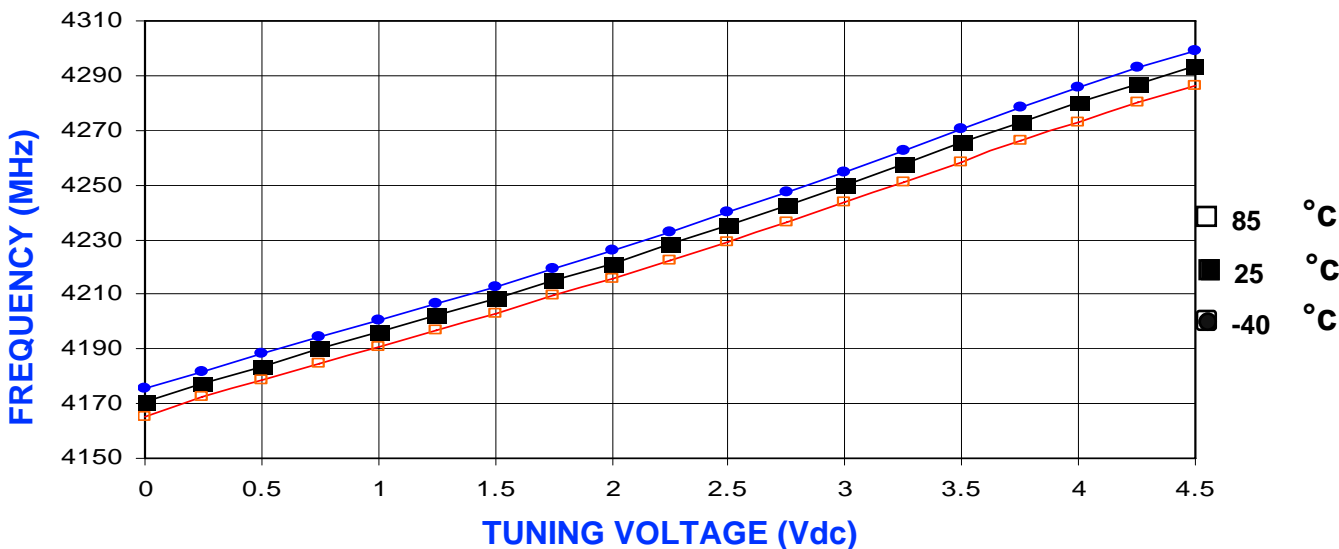
- AN-107 : How to Solder Z-COMM VCOs / PLLs
- AN-202 : PLL Functional Description

**NOTES:**

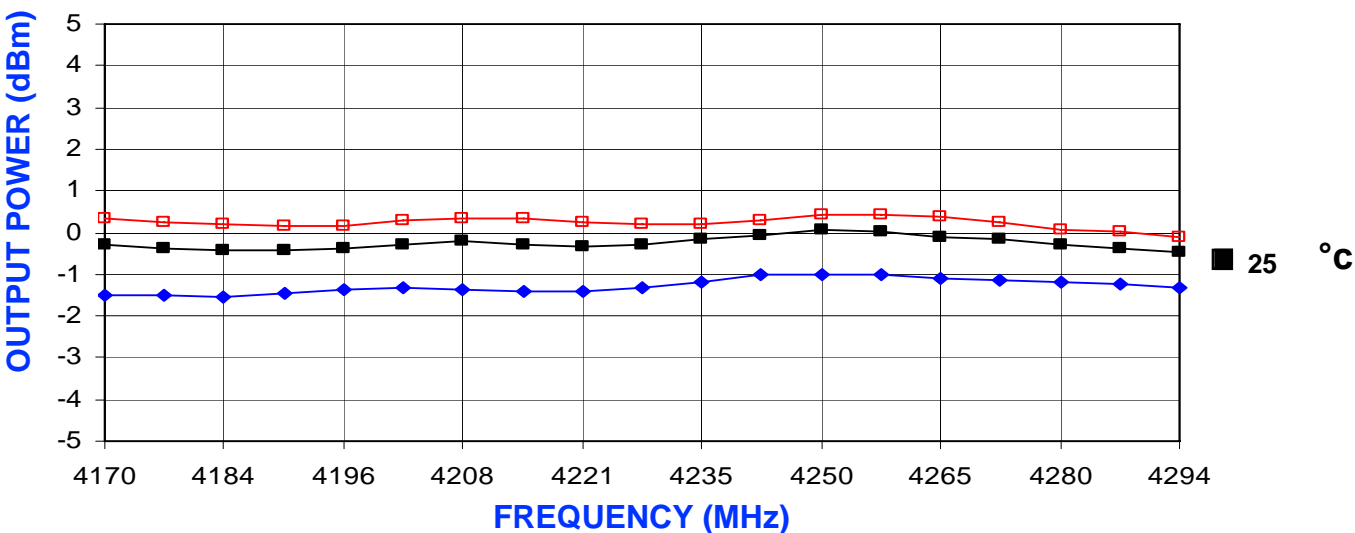
Reference Oscillator Signal: 5 MHz <math>f\_{osc}</math> <math>< 100</math> MHz  
Frequency Synthesizer: Analog Devices - ADF4113

PHASE LOCKED LOOP

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

