

FEATURES

- Frequency Range: 1502 - 1510 MHz
- Step Size: 1000 KHz
- CPLL - Style Package

APPLICATIONS

- Satellite Communication Systems
- Point-to-Point Microwave Radio

PERFORMANCE SPECIFICATIONS

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Frequency Range	1502 - 1510	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-101	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Sideband Spurs (typ.)	-70	dBc
Power Output	0±2	dBm
Load Impedance	50	Ω
Step Size	1000	kHz
Charge Pump Output Current	1250	μA
Switching Speed (typ., adjacent channel)	2	mSec
Startup Lock Time (typ.)	2	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.)	30	mA

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

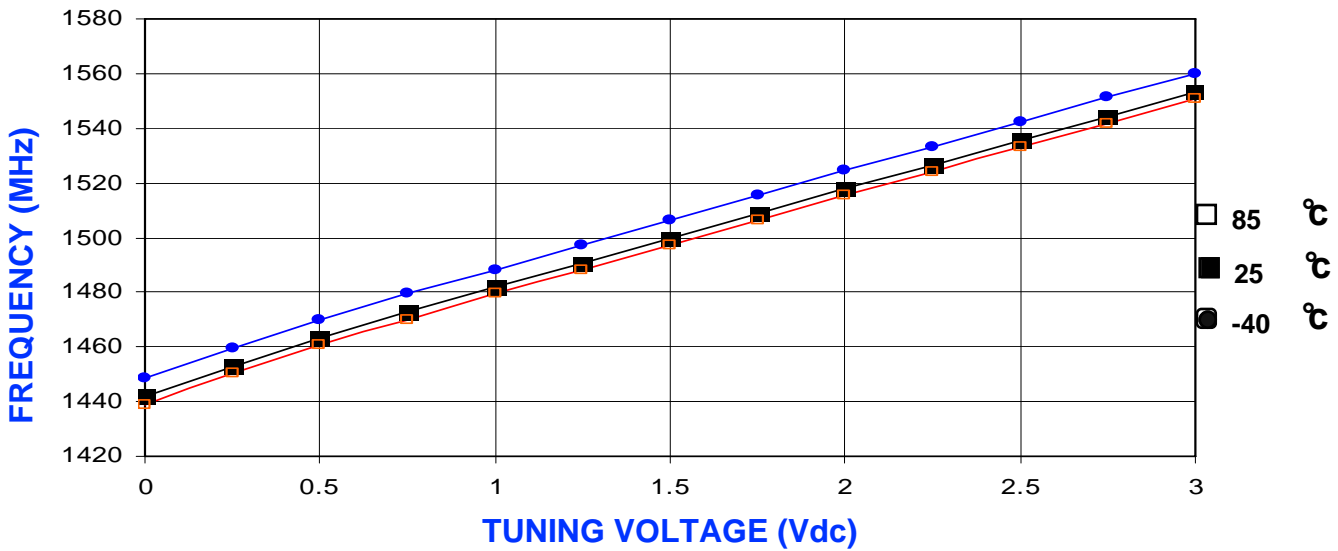
APPLICATION NOTES

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

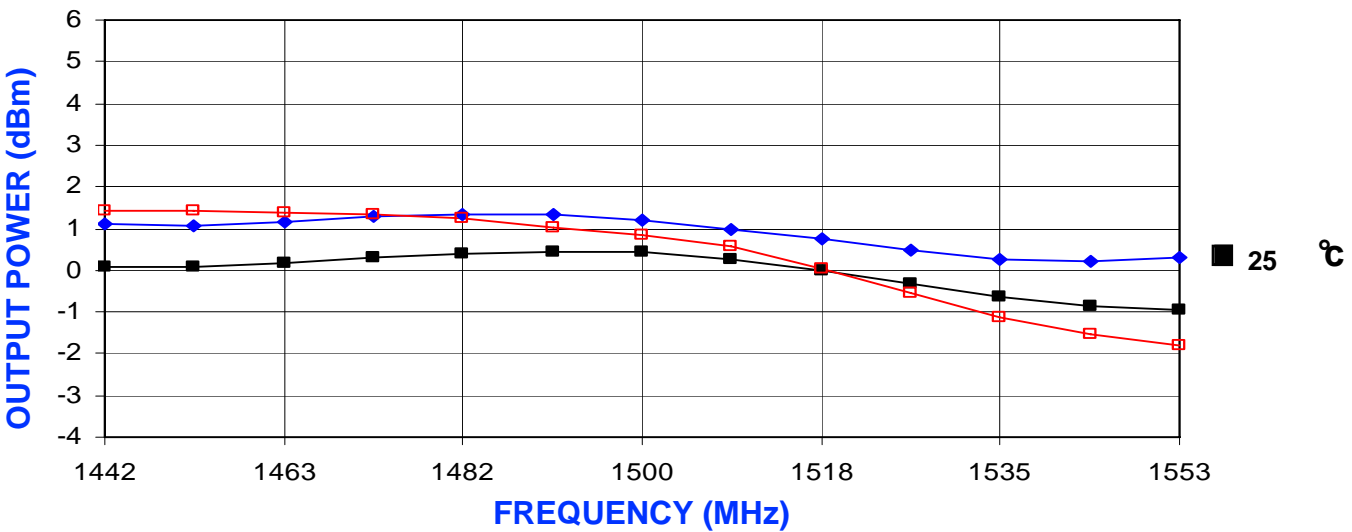
NOTES:

Reference Oscillator Signal: $5 \text{ MHz} < f_{\text{osc}} < 100 \text{ MHz}$
 Frequency Synthesizer: Analog Devices - ADF4113

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

