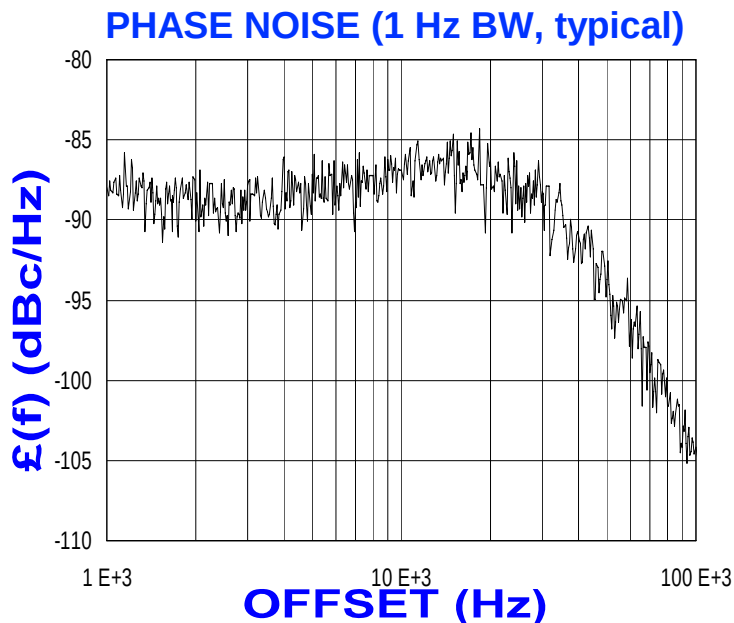


#### FEATURES

- Frequency Range: 4900 - 4975 MHz
- Step Size: 1000 KHz
- PLL - Style Package

#### APPLICATIONS

- Wireless Broadband Access
- Microwave Radios
- 



#### PERFORMANCE SPECIFICATIONS

|                                             | VALUE       | UNITS        |
|---------------------------------------------|-------------|--------------|
| Frequency Range                             | 4900 - 4975 | MHz          |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -86         | dBc/Hz       |
| Harmonic Suppression (2nd, typ.)            | -25         | dBc          |
| Sideband Spurs (typ.)                       | -70         | dBc          |
| Power Output                                | 4.25±2.25   | dBm          |
| Load Impedance                              | 50          | $\Omega$     |
| Step Size                                   | 1000        | KHz          |
| Charge Pump Output Current                  | 5000        | $\mu$ A      |
| Switching Speed (typ., adjacent channel)    | 0.1         | mSec         |
| Startup Lock Time (typ.)                    | 0.1         | mSec         |
| Operating Temperature Range                 | -40 to 85   | $^{\circ}$ C |
| Package Style                               | PLL         |              |

#### POWER SUPPLY REQUIREMENTS

|                                   |    |     |
|-----------------------------------|----|-----|
| Supply Voltage ( $V_{cc}$ , nom.) | 5  | Vdc |
| Supply Current ( $I_{cc}$ , typ.) | 38 | mA  |

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

#### APPLICATION NOTES

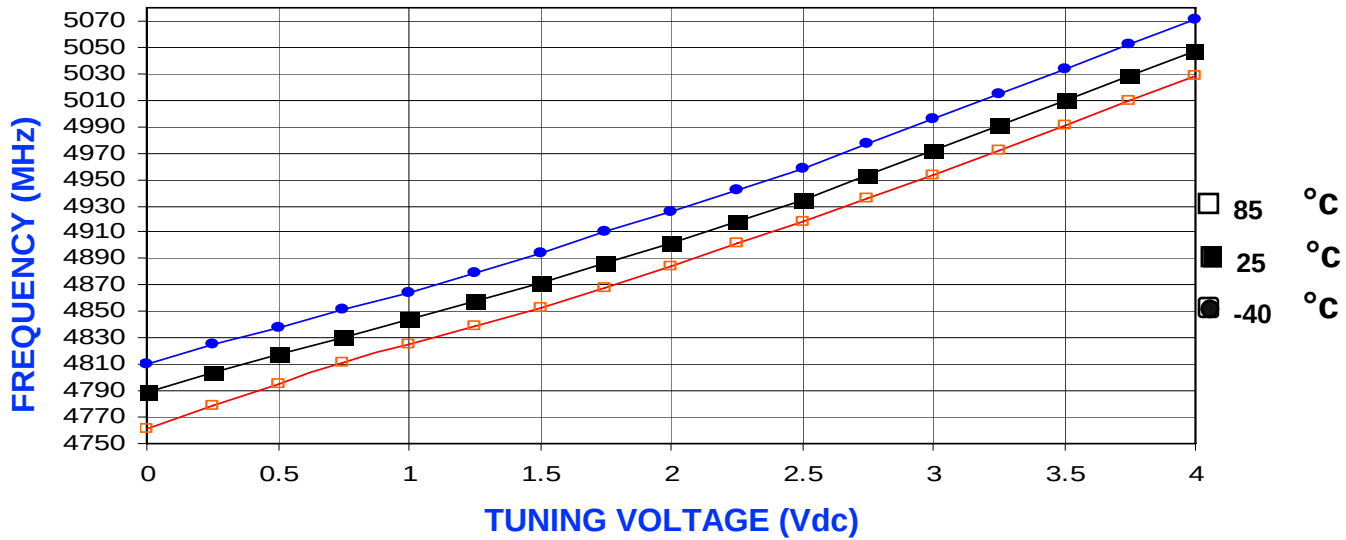
- AN-107 : How to Solder Z-COMM VCOs / PLLs
- AN-200 : Mounting and Grounding of Z-COMM PLLs
- AN-201 : PLL Fundamentals      AN-202 : PLL Functional Description

#### NOTES:

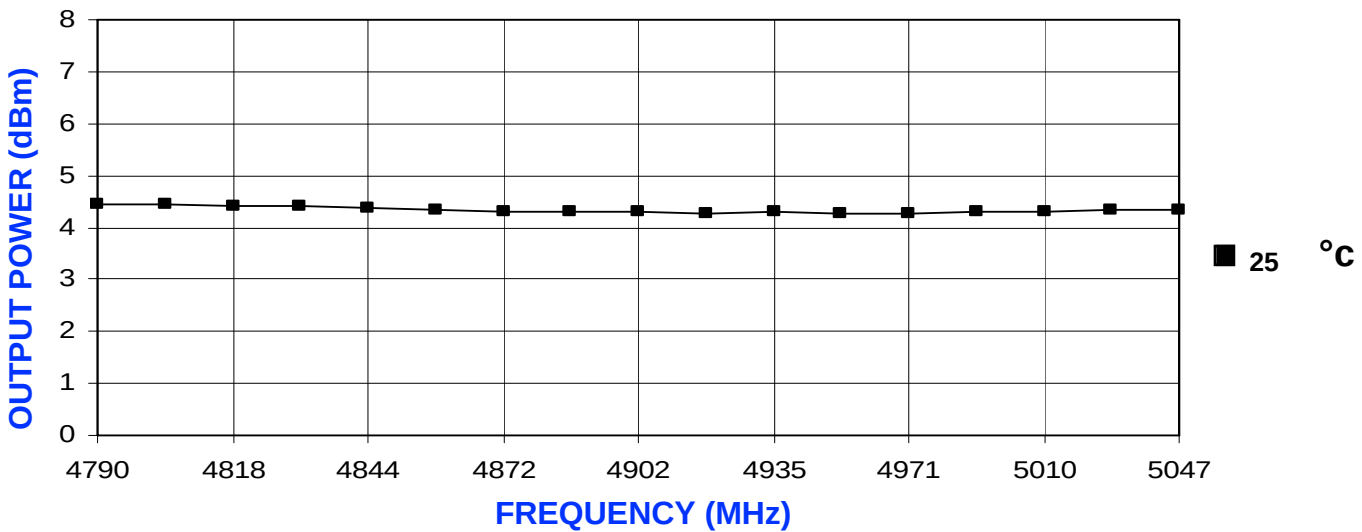
Reference Oscillator Signal:  $5 \text{ MHz} < f_{osc} < 100 \text{ MHz}$   
 Frequency Synthesizer: Analog Devices - ADF4106

Prescaler: 32

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

