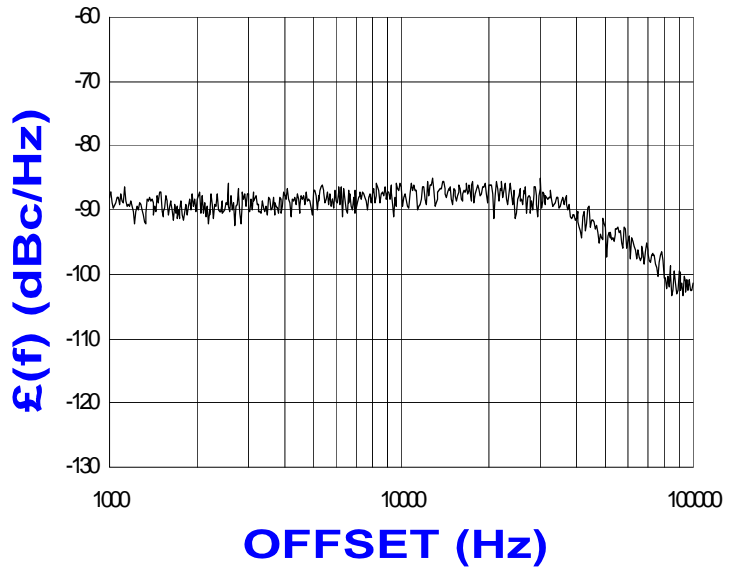




**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 4890 - 4910 MHz
- Step Size: 1000 KHz
- PLL - Style Package

**APPLICATIONS**

- HIPERLAN
- Microwave Radios
- Wireless Broadband Access

**PERFORMANCE SPECIFICATIONS**

|   | VALUE       | UNITS        |
|---|-------------|--------------|
| Frequency Range                             | 4890 - 4910 | MHz          |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -85         | dBc/Hz       |
| Harmonic Suppression (2nd, typ.)            | -25         | dBc          |
| Sideband Spurs (typ.)                       | -70         | dBc          |
| Power Output                                | 3±2         | dBm          |
| Load Impedance                              | 50          | $\Omega$     |
| Step Size                                   | 1000        | KHz          |
| Charge Pump Output Current                  | 5000        | $\mu$ A      |
| Switching Speed (typ., adjacent channel)    | 0.2         | mSec         |
| Startup Lock Time (typ.)                    | 0.5         | mSec         |
| Operating Temperature Range                 | -40 to 85   | $^{\circ}$ C |
| Package Style                               | PLL         |              |

**POWER SUPPLY REQUIREMENTS**

|                            |     |     |
|----------------------------|-----|-----|
| Supply Voltage (Vcc, nom.) | 3.3 | Vdc |
| Supply Current (Icc, typ.) | 35  | mA  |

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

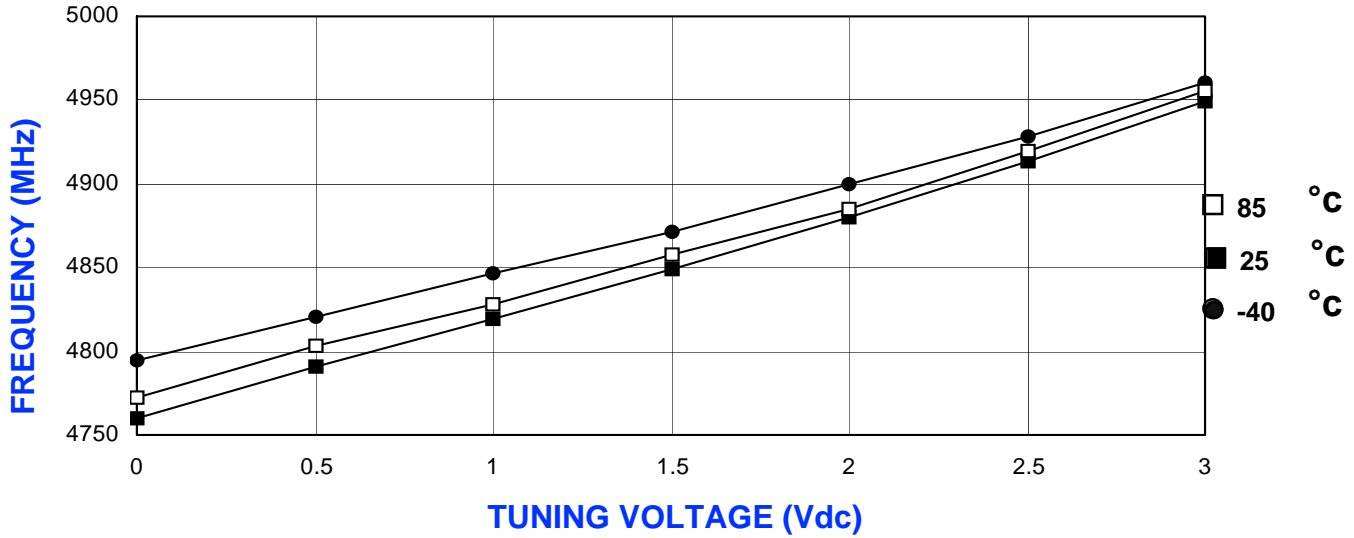
**APPLICATION NOTES**

- 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

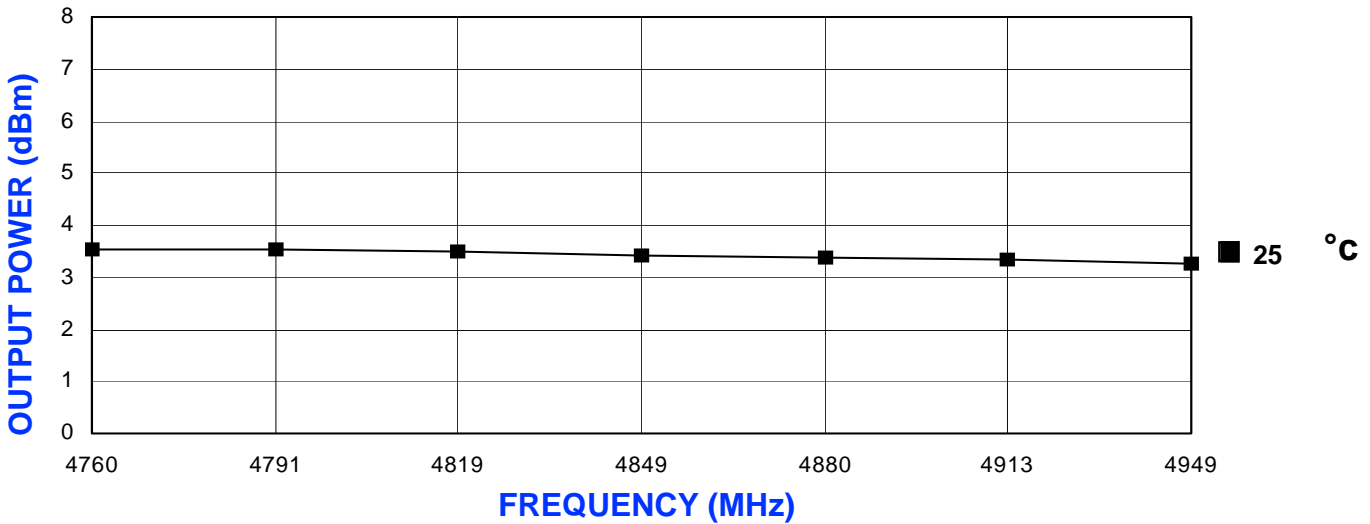
**NOTES:**

Reference Oscillator Signal:  $5 \text{ MHz} < f_{\text{osc}} < 100 \text{ MHz}$       Prescaler: 32  
 Frequency Synthesizer: Analog Devices - ADF4106

**VCO TUNING CURVE, typ.**



**VCO POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

