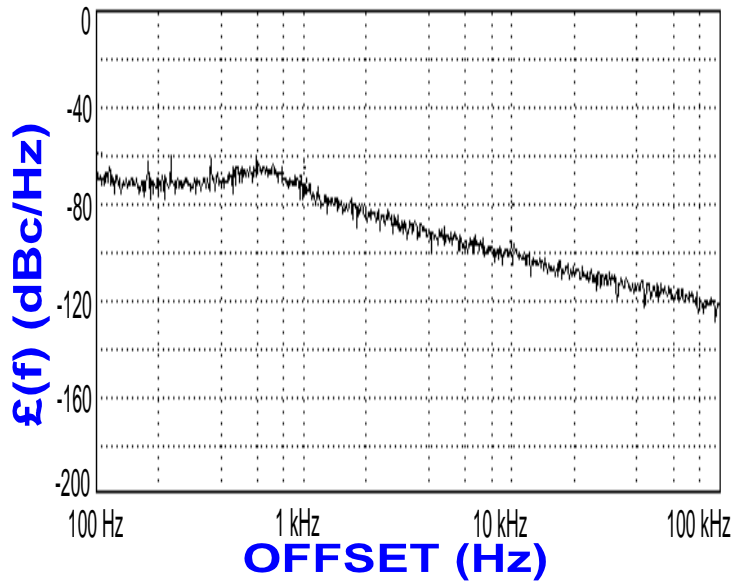




**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 2463 - 2465 MHz
- Step Size: 1000 KHz
- PLL - Style Package

**APPLICATIONS**

- Telecommunications
- Satellite
- Telemetry

**PERFORMANCE SPECIFICATIONS**

| PERFORMANCE SPECIFICATIONS                  | VALUE       | UNITS  |
|---|-------------|--------|
| Frequency Range                             | 2463 - 2465 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -100        | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -25         | dBc    |
| Sideband Spurs (typ.)                       | -70         | dBc    |
| Power Output                                | 4.5±1.5     | dBm    |
| Load Impedance                              | 50          | Ω      |
| Step Size                                   | 1000        | KHz    |
| Charge Pump Output Current                  | 250         | μA     |
| Switching Speed (typ., adjacent channel)    | 5           | mSec   |
| Startup Lock Time (typ.)                    | 5           | mSec   |
| Operating Temperature Range                 | -40 to 85   | °C     |
| Package Style                               | PLL         |        |

**POWER SUPPLY REQUIREMENTS**

|                            |    |     |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 5  | Vdc |
| Supply Current (Icc, typ.) | 30 | mA  |

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

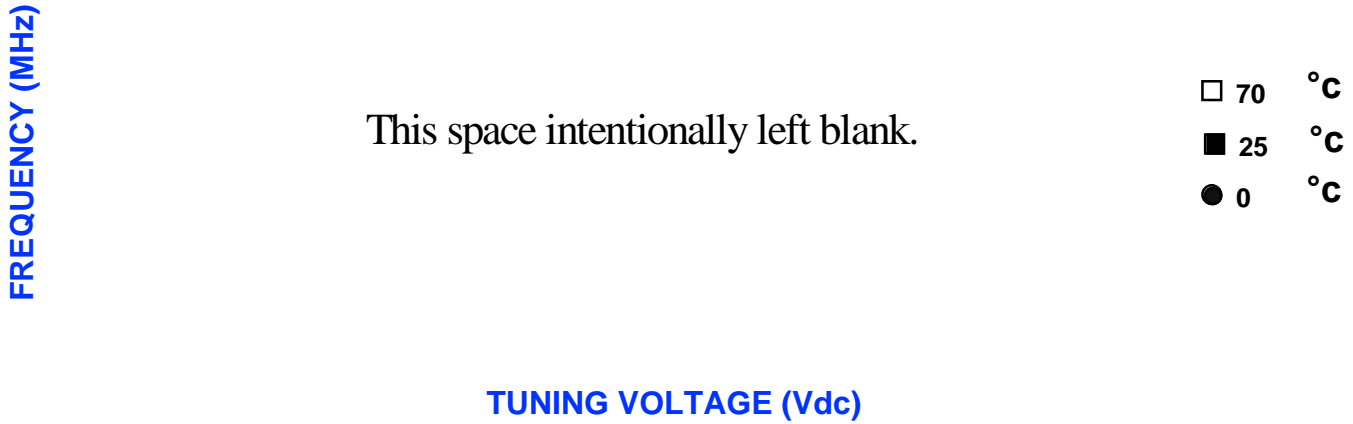
**APPLICATION NOTES**

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

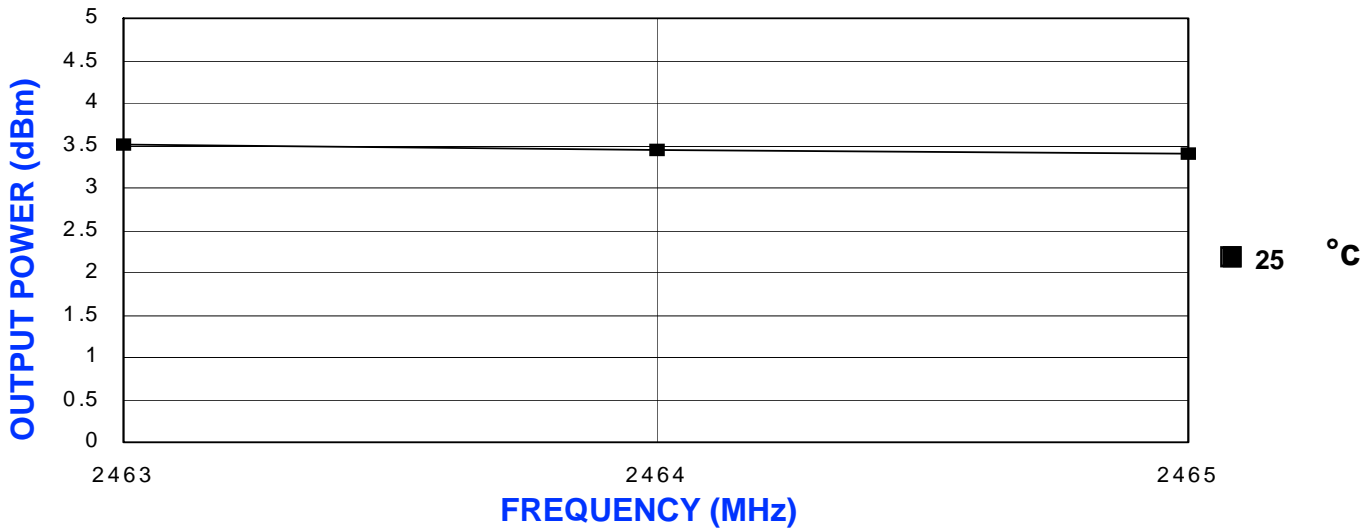
**NOTES:**

Reference Oscillator Signal: 5 MHz <math>f\_{osc}</math> <math>< 40</math> MHz  
 Frequency Synthesizer: National Semiconductor - LMX2326

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

