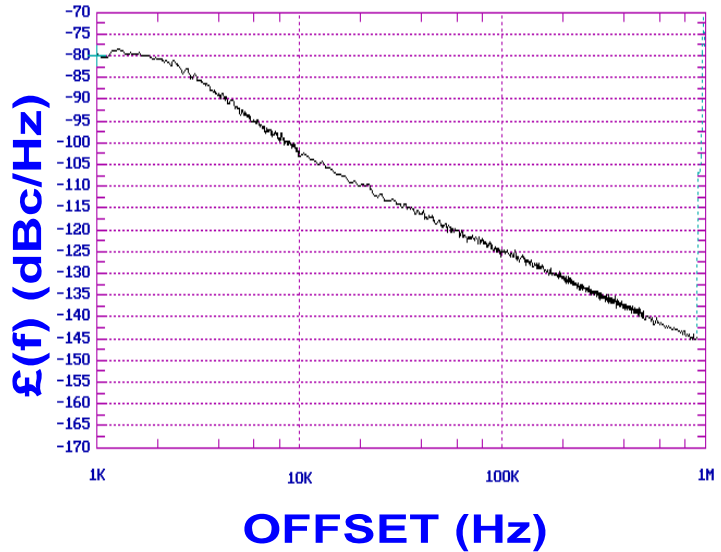


PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 200 - 230 MHz
- Step Size: 100 KHz
- PLL - Style Package

APPLICATIONS

- Telecommunications
- Satellite
- Telemetry

| PERFORMANCE SPECIFICATIONS | VALUE | UNITS |
|---|------------|--------|
| Frequency Range | 200 - 230 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -105 | dBc/Hz |
| Harmonic Suppression (2nd, typ.) | -10 | dBc |
| Sideband Spurs (typ.) | -65 | dBc |
| Power Output | 4±3 | dBm |
| Load Impedance | 50 | Ω |
| Step Size | 100 | kHz |
| Charge Pump Output Current | 1000 | μA |
| Switching Speed (typ., adjacent channel) | 1 | 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.) | 20 | mA |

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

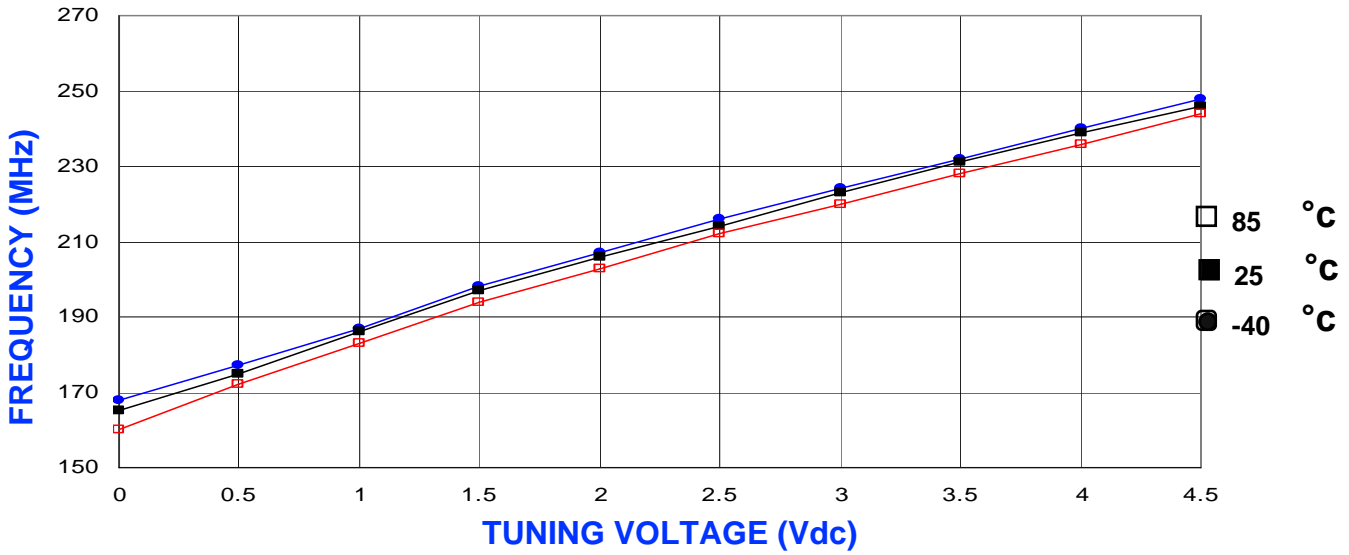
APPLICATION NOTES

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

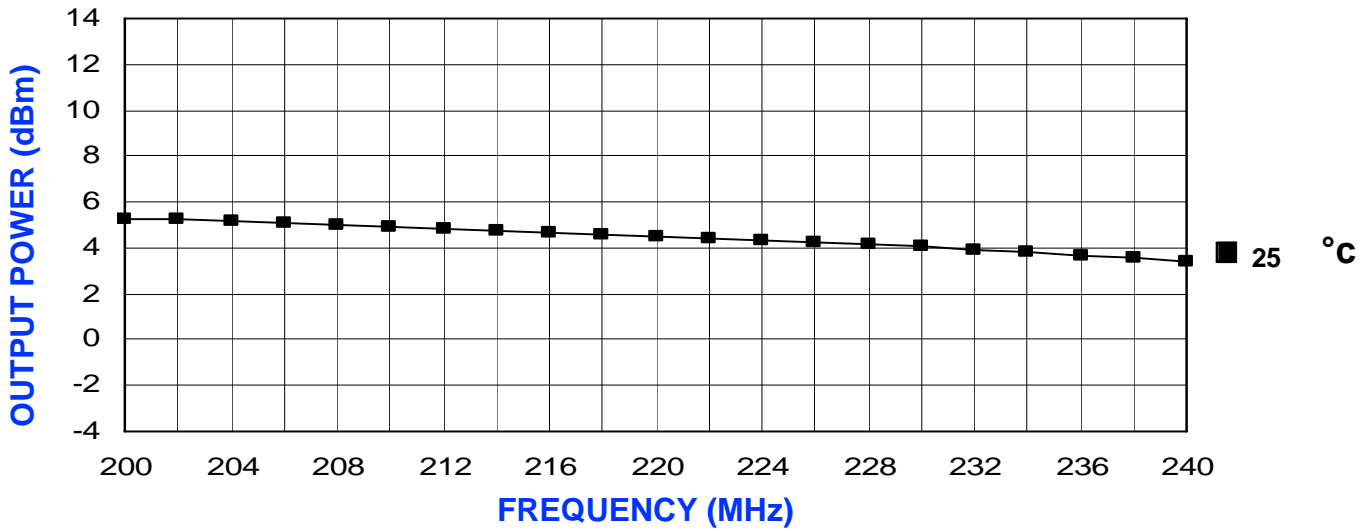
NOTES:

Reference Oscillator Signal: $5\text{ MHz} < f_{\text{osc}} < 40\text{ MHz}$ Prescaler: 8
 Frequency Synthesizer: National Semiconductor - LMX2306

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

