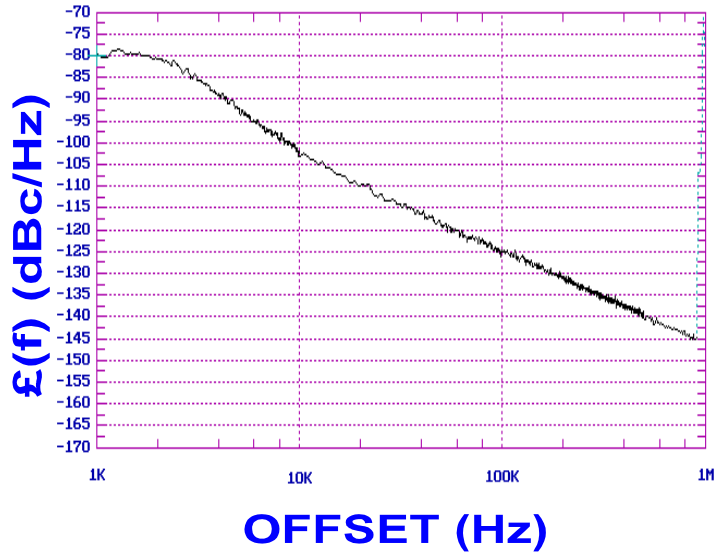


PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 900 - 960 MHz
- Step Size: 100 KHz
- PLL - Style Package

APPLICATIONS

- Basestations
- Mobile Radios
- Satellite Communications

PERFORMANCE SPECIFICATIONS

| PERFORMANCE SPECIFICATIONS | VALUE | UNITS |
|---|-----------|--------|
| Frequency Range | 900 - 960 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -100 | dBc/Hz |
| Harmonic Suppression (2nd, typ.) | -15 | dBc |
| Sideband Spurs (typ.) | -65 | dBc |
| Power Output | 3±2 | 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.) | 40 | mA |

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

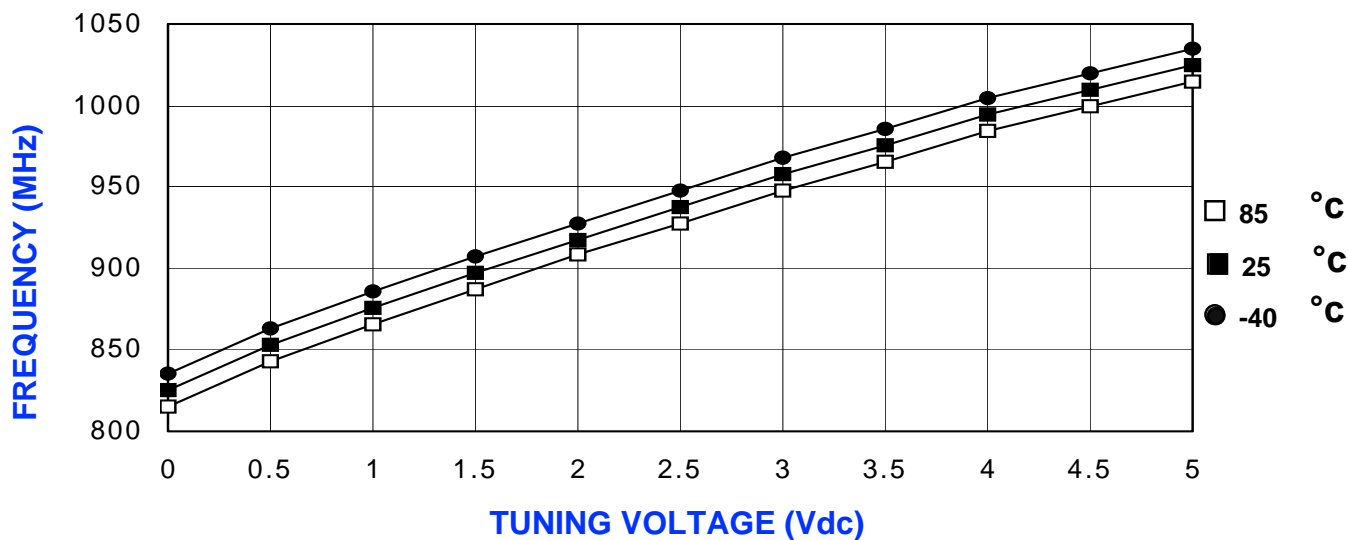
APPLICATION NOTES

- 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

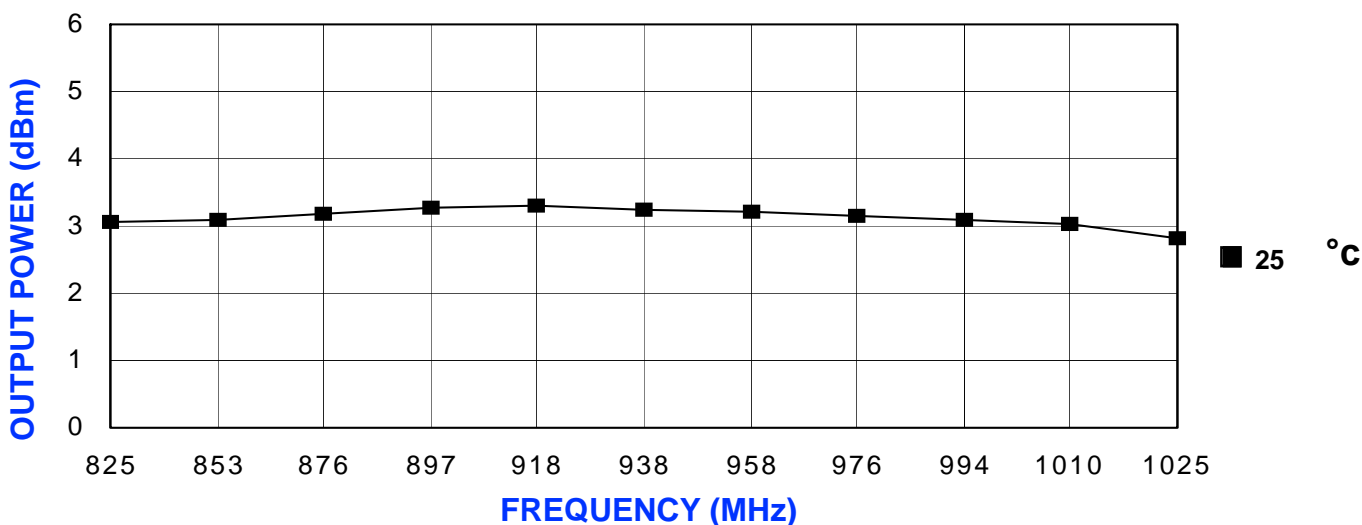
NOTES:

Reference Oscillator: 5 MHz f_{osc} <math><40</math> MHz
 Frequency Synthesizer: National Semiconductor - LMX2316

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

