

FEATURES

- Frequency Range: 988 - 1028 MHz
- Step Size: 1000 KHz
- PLL - Style Package

APPLICATIONS

- Base Stations
- Satellite Communications

PERFORMANCE SPECIFICATIONS

| PERFORMANCE SPECIFICATIONS | VALUE | UNITS |
|---|------------|--------|
| Frequency Range | 988 - 1028 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -101 | dBc/Hz |
| Harmonic Suppression (2nd, typ.) | -20 | dBc |
| Sideband Spurs (typ.) | -70 | dBc |
| Power Output | 0.5±2.5 | 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.) | 2 | mSec |
| Operating Temperature Range | -40 to 85 | °C |
| Package Style | PLL | |

POWER SUPPLY REQUIREMENTS

| | | |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 5 | Vdc |
| Supply Current (Icc, typ.) | 32 | mA |

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

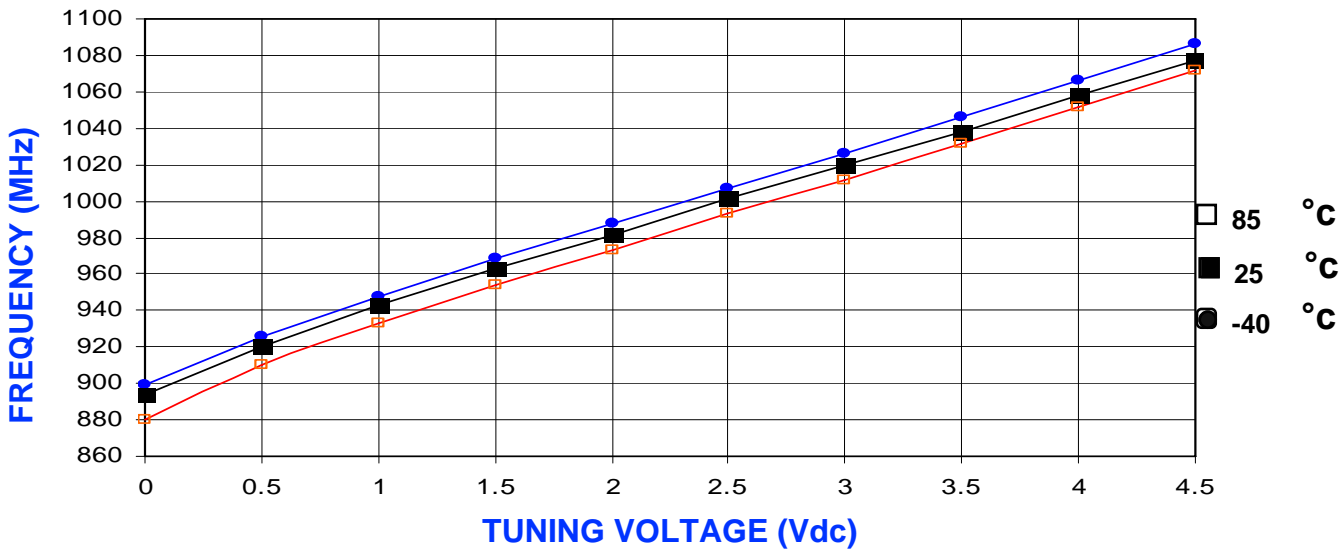
APPLICATION NOTES

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

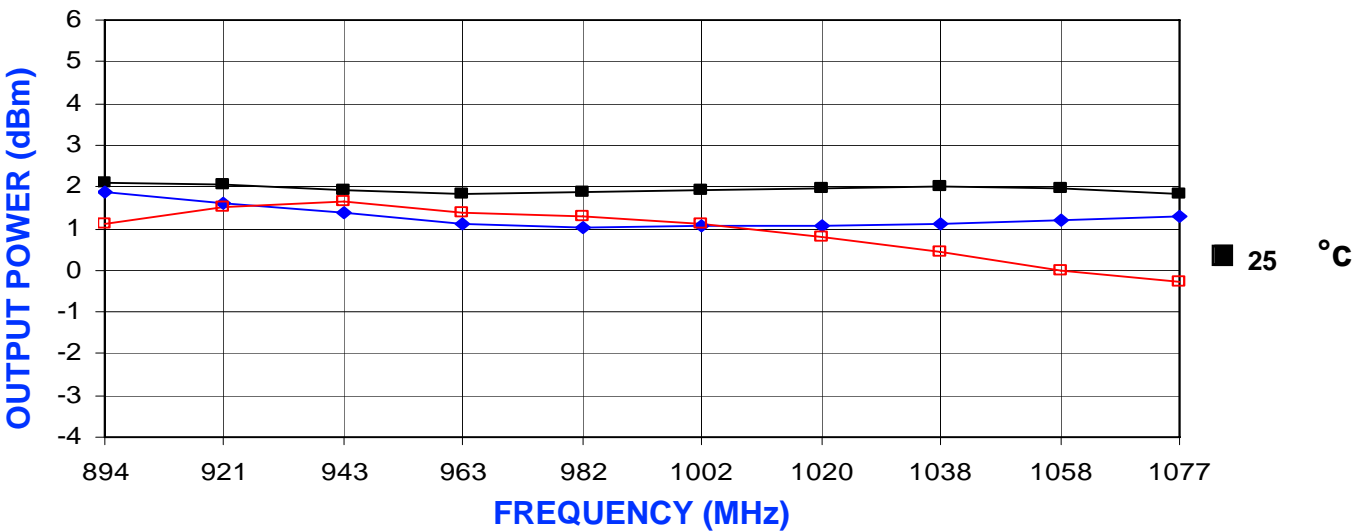
NOTES:

Reference Oscillator Signal: $5\text{ MHz} < f_{\text{osc}} < 40\text{ MHz}$
Frequency Synthesizer: National Semiconductor - LMX2316

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

