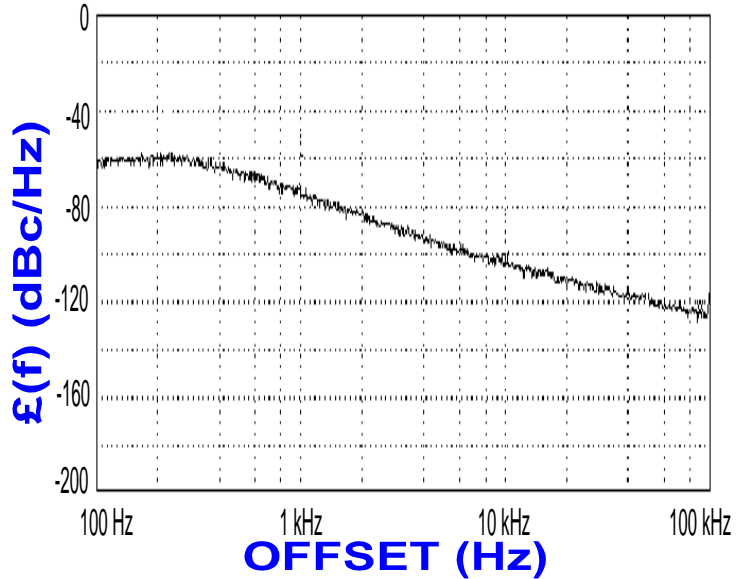


PHASE NOISE (1 Hz BW, typical)



| FEATURES |
|------------------------------------|
| • Frequency Range: 1690 - 1760 MHz |
| • Step Size: 50 KHz |
| • PLL - Style Package |
| APPLICATIONS |
| • Telecommunications |
| • Satellite |
| • Telemetry |

| PERFORMANCE SPECIFICATIONS | VALUE | UNITS |
|---|-------------|--------|
| Frequency Range | 1690 - 1760 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -104 | dBc/Hz |
| Harmonic Suppression (2nd, typ.) | -15 | dBc |
| Sideband Spurs (typ.) | -70 | dBc |
| Power Output | 3.5±2.5 | dBm |
| Load Impedance | 50 | Ω |
| Step Size | 50 | KHz |
| Charge Pump Output Current | 1000 | μA |
| Switching Speed (typ., adjacent channel) | 4 | mSec |
| Startup Lock Time (typ.) | 6 | mSec |
| Operating Temperature Range | -40 to 85 | °C |
| Package Style | PLL | |
| POWER SUPPLY REQUIREMENTS | | |
| Supply Voltage (Vcc, nom.) | 5 | Vdc |
| Supply Current (Icc, typ.) | 33 | 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 |

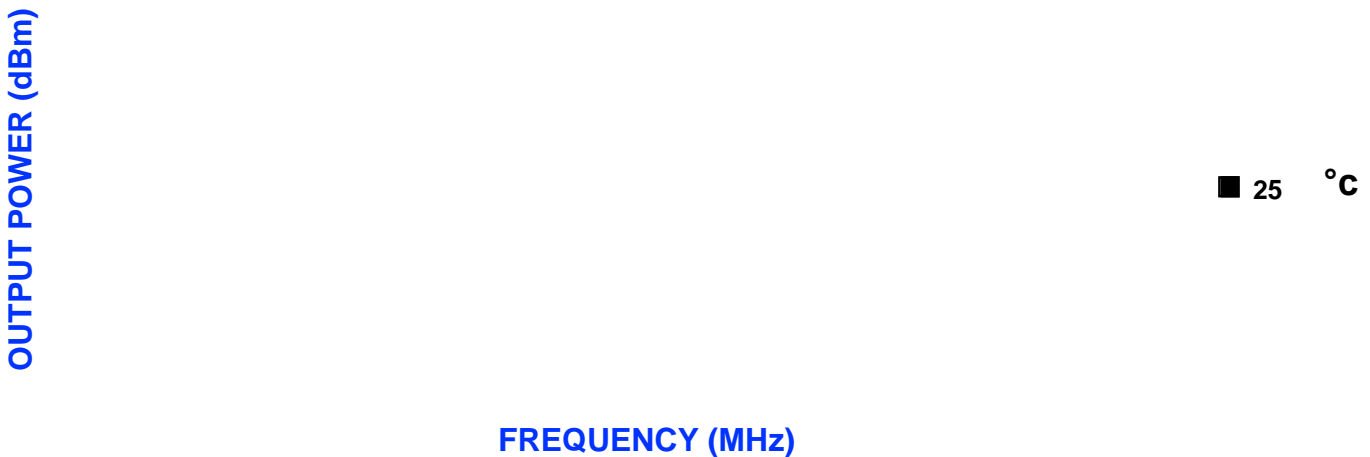
NOTES:

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

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

