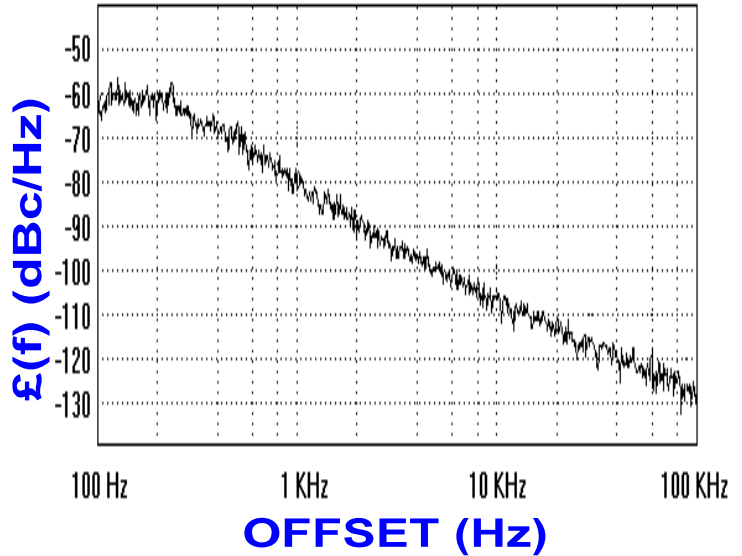


PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 1055 - 1105 MHz
- Step Size: 30 KHz
- PLL - Style Package

APPLICATIONS

- Basestations
- Mobile Radios
- Satellite Communications

| PERFORMANCE SPECIFICATIONS | VALUE | UNITS |
|---|-------------|--------------|
| Frequency Range | 1055 - 1105 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -105 | dBc/Hz |
| Harmonic Suppression (2nd, typ.) | -12 | dBc |
| Sideband Spurs (typ.) | -70 | dBc |
| Power Output | 0±3 | dBm |
| Load Impedance | 50 | Ω |
| Step Size | 30 | kHz |
| Charge Pump Output Current | 1000 | μ A |
| Switching Speed (typ., adjacent channel) | 15 | mSec |
| Startup Lock Time (typ.) | 20 | mSec |
| Operating Temperature Range | -40 to +85 | $^{\circ}$ C |
| Package Style | PLL | |
| POWER SUPPLY REQUIREMENTS | | |
| Supply Voltage (Vcc, nom.) | 5 | Vdc |
| Supply Current (Icc, typ.) | 18 | mA |

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

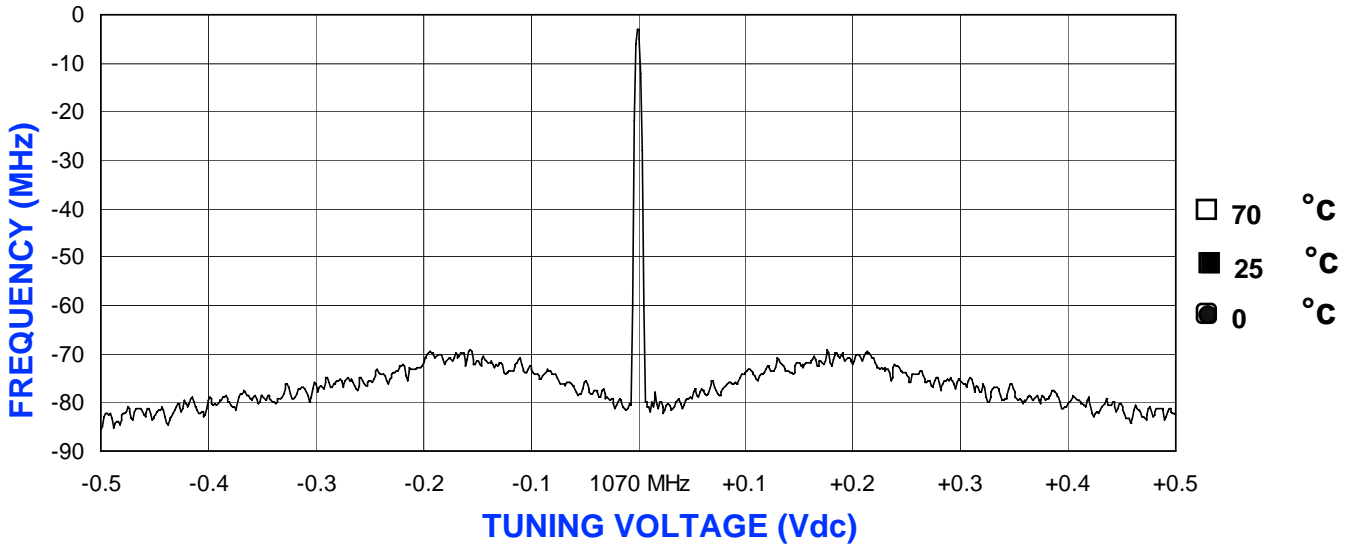
APPLICATION NOTES

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

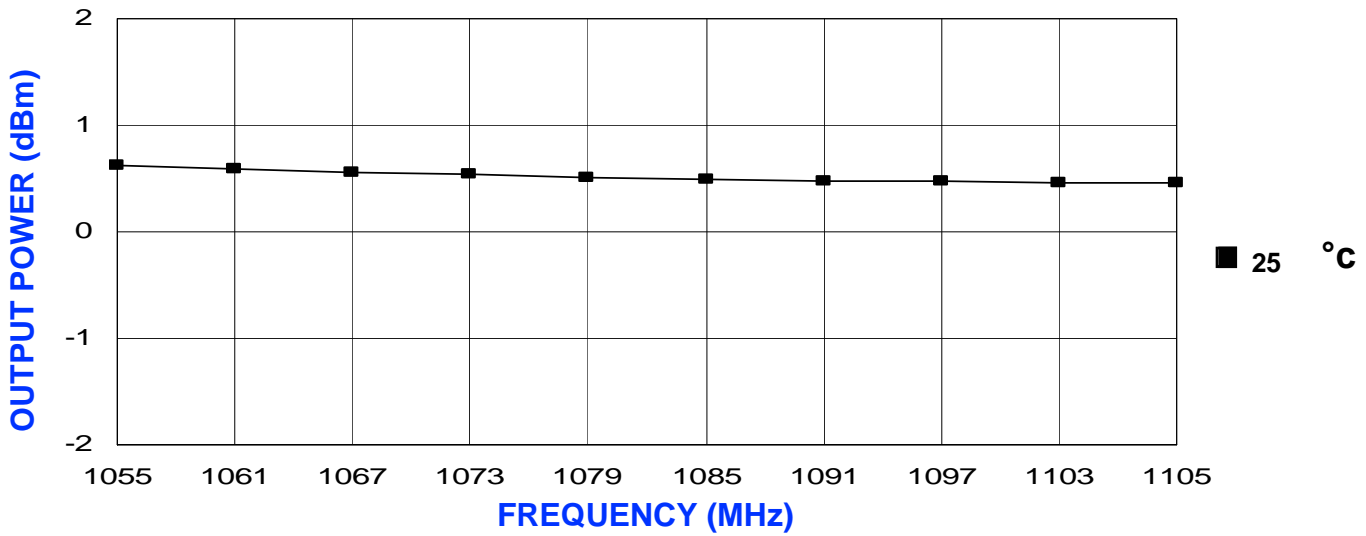
NOTES:

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

