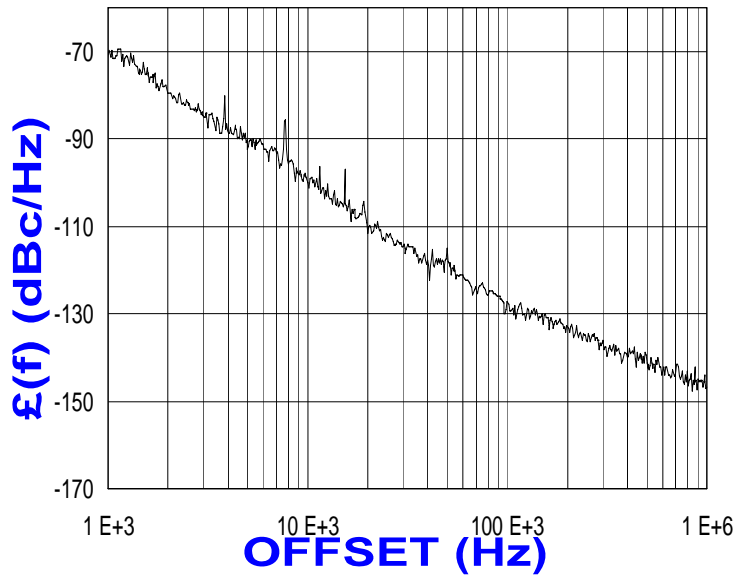




**PHASE NOISE (1 Hz BW, typical)**



| FEATURES  |
|---|
| <ul style="list-style-type: none"> <li>• Frequency Range: 950 - 956 MHz</li> <li>• Step Size: 50 KHz</li> <li>• PLL-24 - Style Package</li> </ul> |
| APPLICATIONS  |
| <ul style="list-style-type: none"> <li>• Basestations</li> <li>• Satellite Communications</li> <li>• Mobile Radios</li> </ul>                     |

| PERFORMANCE SPECIFICATIONS                  | VALUE     | UNITS  |
|---|-----------|--------|
| Frequency Range                             | 950 - 956 | 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                                | 2.5±2.5   | dBm    |
| Load Impedance                              | 50        | Ω      |
| Step Size                                   | 50        | kHz    |
| Charge Pump Output Current                  | 1250      | μA     |
| Switching Speed (typ., adjacent channel)    | 1         | mSec   |
| Startup Lock Time (typ.)                    | 1         | mSec   |
| Operating Temperature Range                 | -40 to 85 | °C     |
| Package Style                               | PLL-24    |        |
| POWER SUPPLY REQUIREMENTS                   |           |        |
| Supply Voltage (Vcc, nom.)                  | 5         | Vdc    |
| Supply Current (Icc, typ.)                  | 30        | mA     |

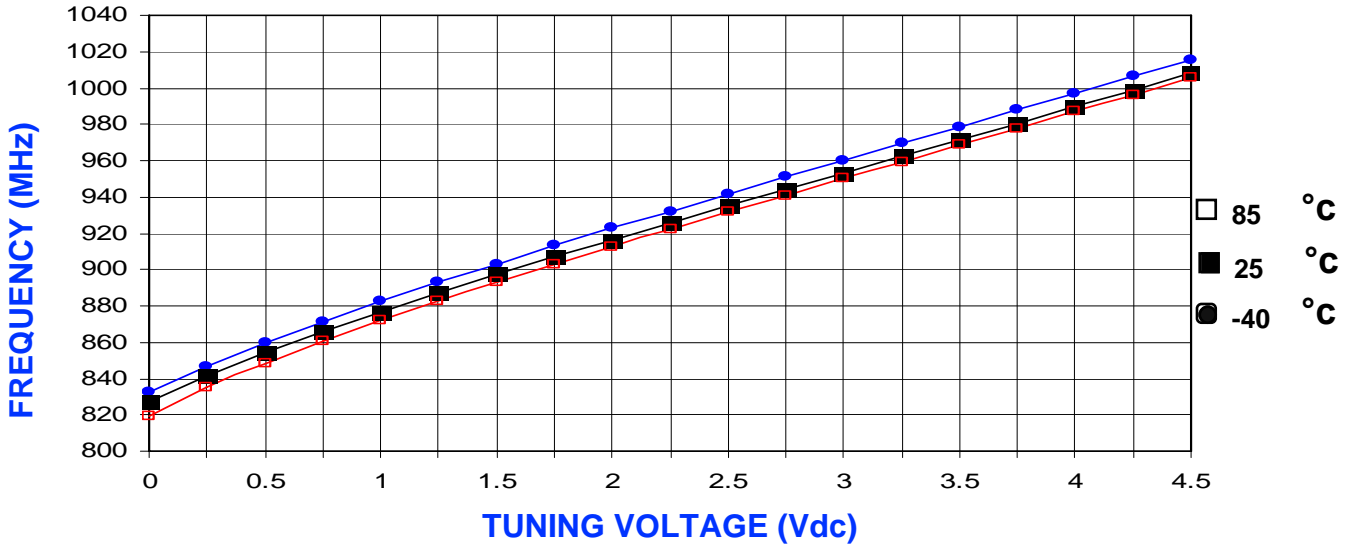
All specifications are typical unless otherwise noted and subject to change without notice.

| APPLICATION NOTES  |
|--|
| <ul style="list-style-type: none"> <li>• AN-107 : How to Solder Z-COMM VCOs / PLLs</li> <li>• AN-202 : PLL Functional Description</li> </ul> |

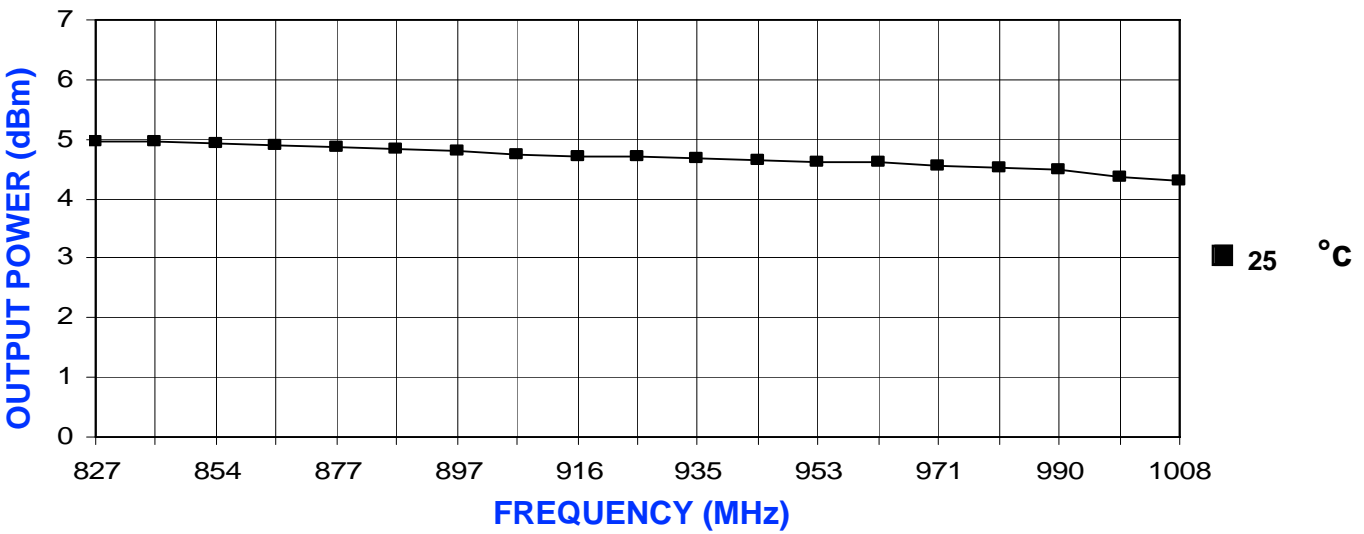
**NOTES:**

Reference Oscillator Signal: 5 MHz <math>f\_{osc}</math> <math>< 100</math> MHz  
 Frequency Synthesizer: Analog Devices - ADF4106

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

