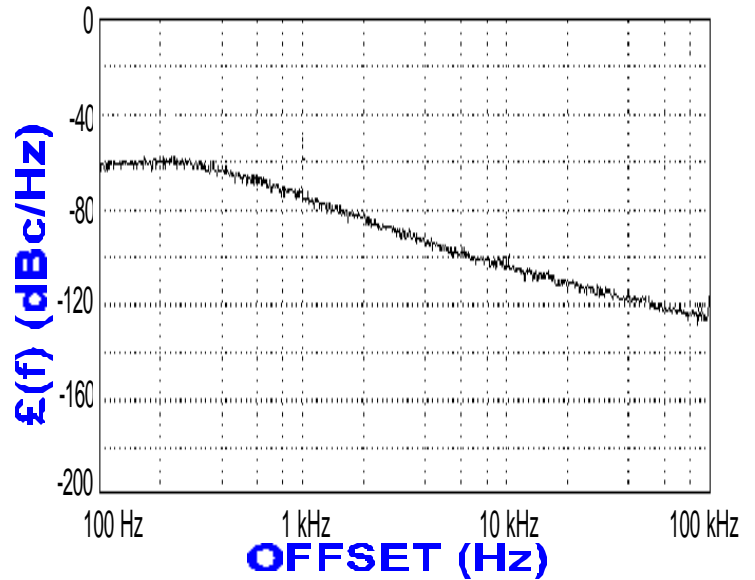


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 1690 - 1760MHz
- Step Size: 50 KHz
- PLL - Style Package

**APPLICATIONS**

- Telecommunications
- Satellite
- Telemetry

**PERFORMANCE SPECIFICATIONS**

|  | VALUE       | UNITS |
|--|-------------|-------|
| Frequency Range                          | 1690 - 1760 | MHz   |
| RMS Phase Error (100 Hz - 100 KHz)       | 2.5         | °     |
| 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               | HIGH        |       |
| 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.

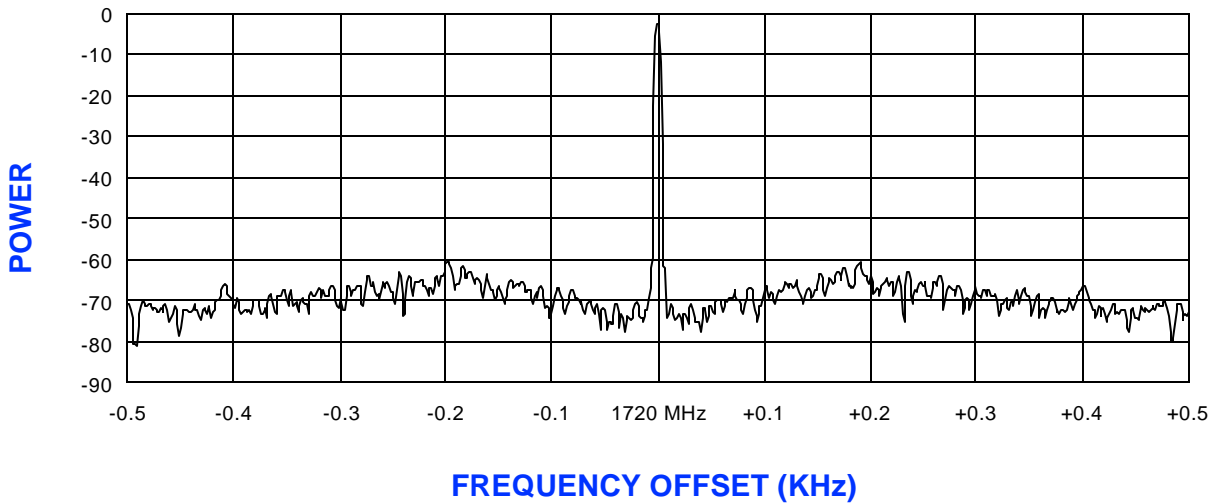
**APPLICATION NOTES**

- 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

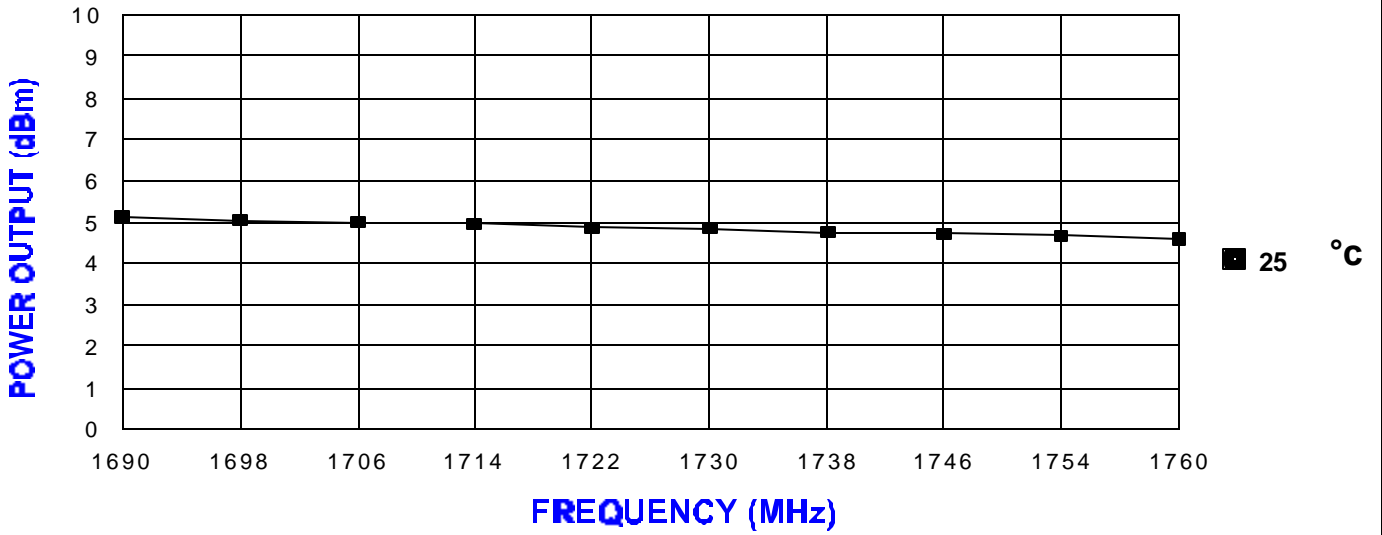
**NOTES:**

Reference Oscillator Signal: 5 MHz <math>f\_{osc}</math> <math><40</math> MHz

**PLL OUTPUT SPECTRUM**



**POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

