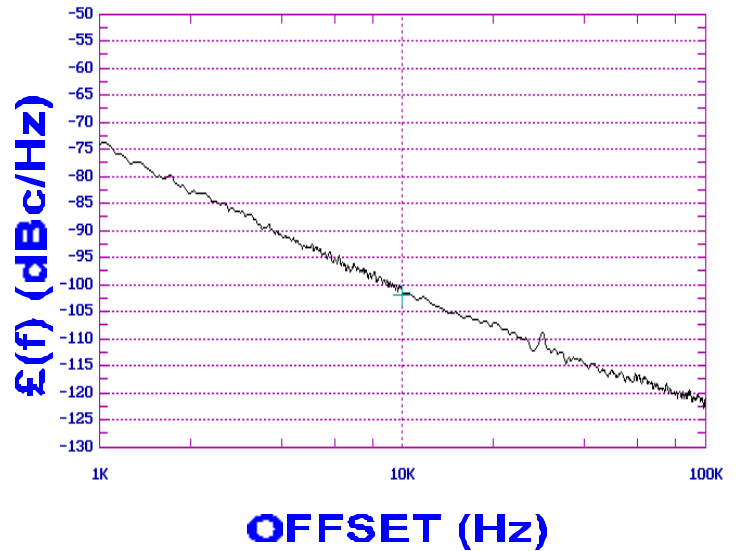


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 1190 - 1610 MHz
- Tuning Voltage: 0.5-8.5 Vdc
- MINI-14S - Style Package

**APPLICATIONS**

- Test Instrumentation
- Earthstations
- Downconvertors

**PERFORMANCE SPECIFICATIONS**

|   | VALUE       | UNITS              |
|---|-------------|--------------------|
| Oscillation Frequency Range                 | 1190 - 1610 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -101        | dBc/Hz             |
| Harmonic Suppression (2nd, typ.)            | -2          | dBc                |
| Tuning Voltage                              | 0.5-8.5     | Vdc                |
| Tuning Sensitivity (avg.)                   | 66          | MHz/V              |
| Power Output                                | 10±2.5      | dBm                |
| Load Impedance                              | 50          | $\Omega$           |
| Input Capacitance (max.)                    | 50          | pF                 |
| Pushing                                     | <5          | MHz/V              |
| Pulling (14 dB Return Loss, Any Phase)      | <10         | MHz                |
| Operating Temperature Range                 | 0 to 80     | $^{\circ}\text{C}$ |
| Package Style                               | MINI-14S    |                    |

**POWER SUPPLY REQUIREMENTS**

|                                   |    |     |
|-----------------------------------|----|-----|
| Supply Voltage ( $V_{cc}$ , nom.) | 10 | Vdc |
| Supply Current ( $I_{cc}$ , typ.) | 25 | mA  |

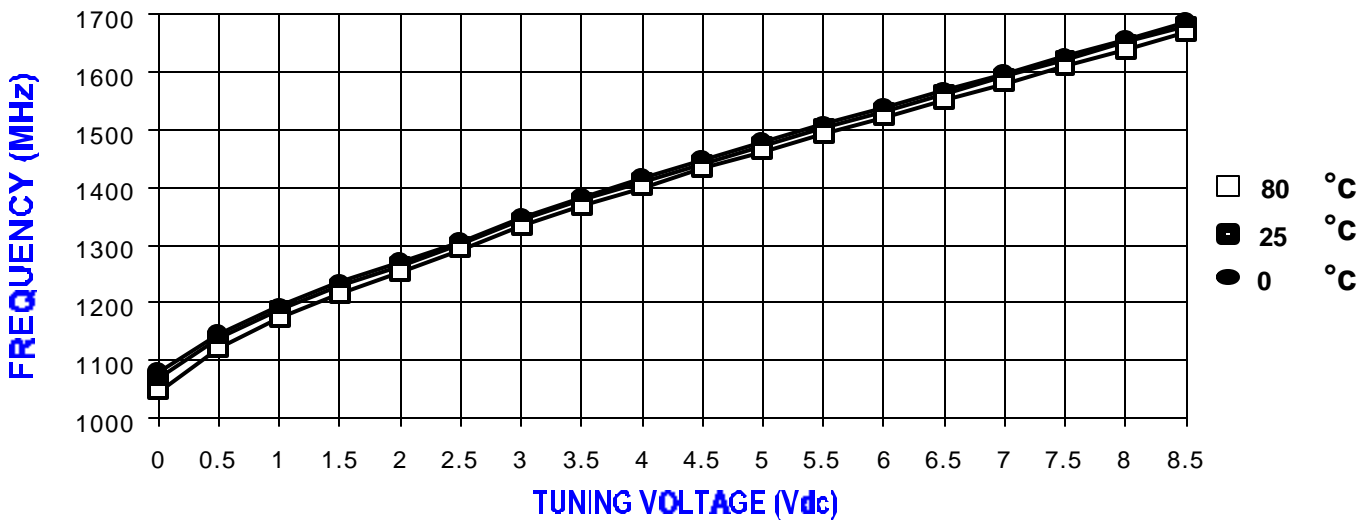
All specifications are typical unless otherwise noted and subject to change without notice.

**APPLICATION NOTES**

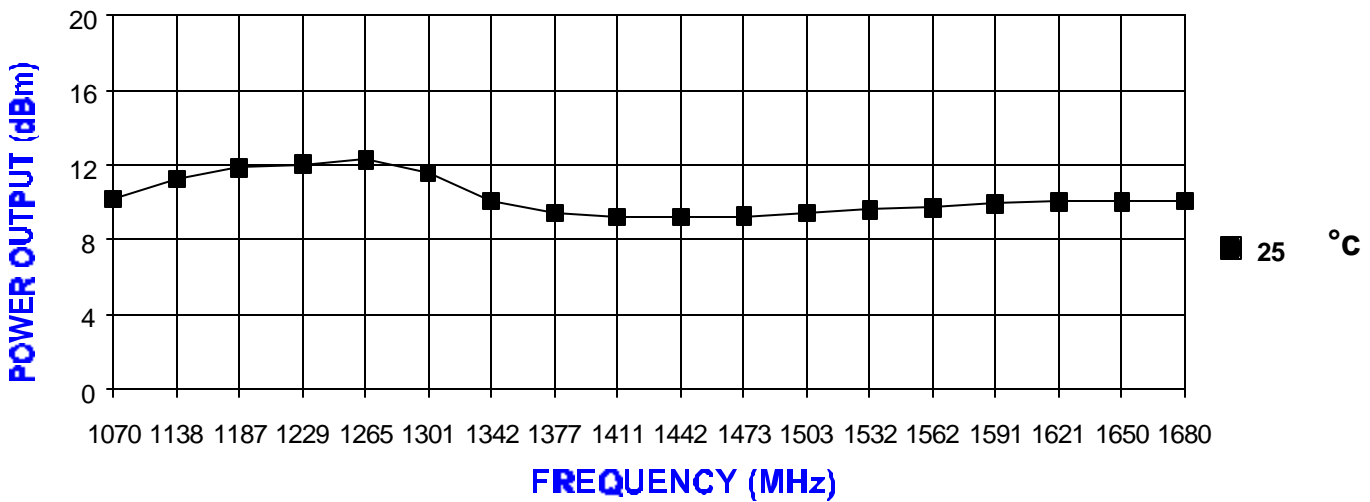
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

**NOTES:**

**TUNING CURVE, typ.**



**POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

