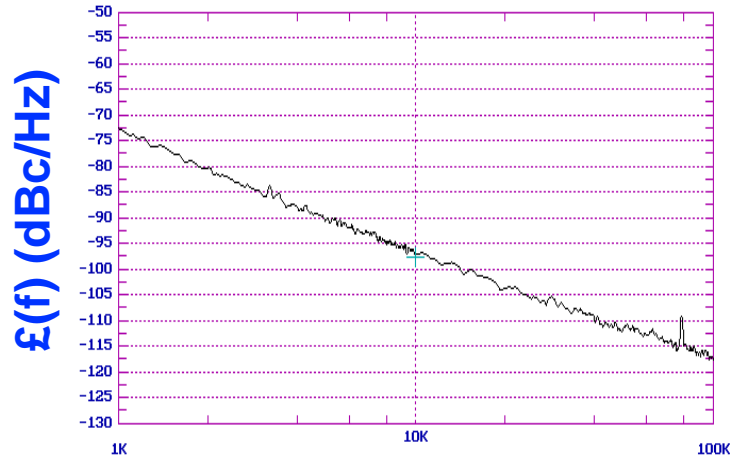




**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 2400 - 2484 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-14H - Style Package

**APPLICATIONS**

- WLAN
- Broadcast Systems
- Mobile Communication Systems

**PERFORMANCE SPECIFICATIONS**

|   | VALUE       | UNITS  |
|---|-------------|--------|
| Oscillation Frequency Range                 | 2400 - 2484 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -95         | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -17         | dBc    |
| Tuning Voltage                              | 0.5-4.5     | Vdc    |
| Tuning Sensitivity (avg.)                   | 50          | MHz/V  |
| Power Output                                | 6.5±3.5     | dBm    |
| Load Impedance                              | 50          | Ω      |
| Input Capacitance (max.)                    | 50          | pF     |
| Pushing                                     | <5          | MHz/V  |
| Pulling (14 dB Return Loss, Any Phase)      | <15         | MHz    |
| Operating Temperature Range                 | 0 to 70     | °C     |
| Package Style                               | MINI-14H    |        |

**POWER SUPPLY REQUIREMENTS**

|                            |    |     |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 5  | Vdc |
| Supply Current (Icc, typ.) | 15 | mA  |

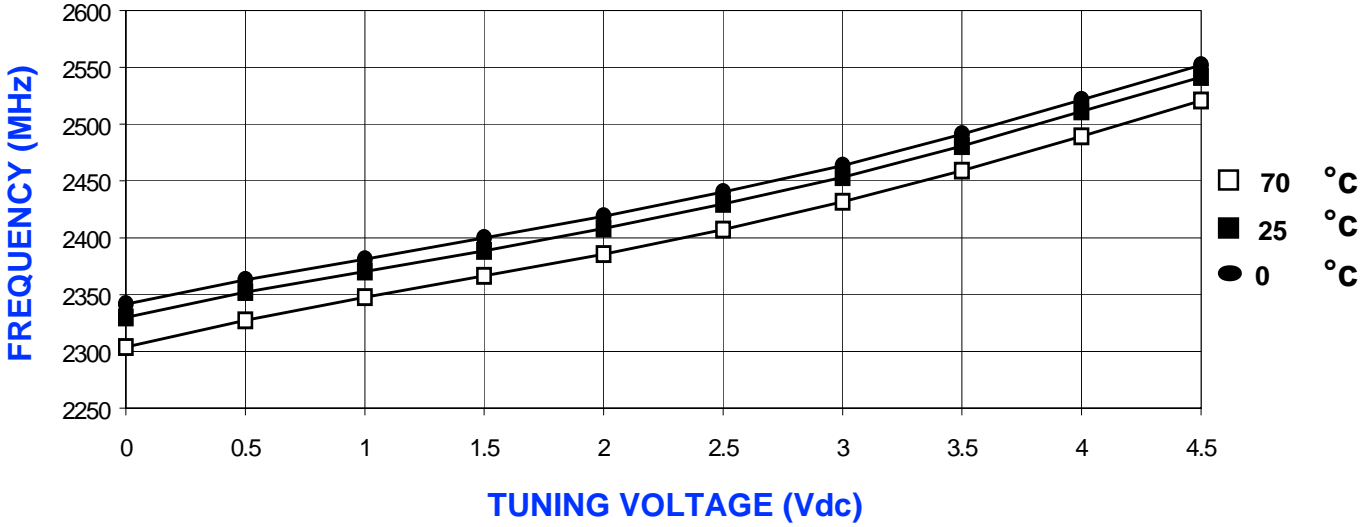
All specifications are typical unless otherwise noted and subject to change without notice.

**APPLICATION NOTES**

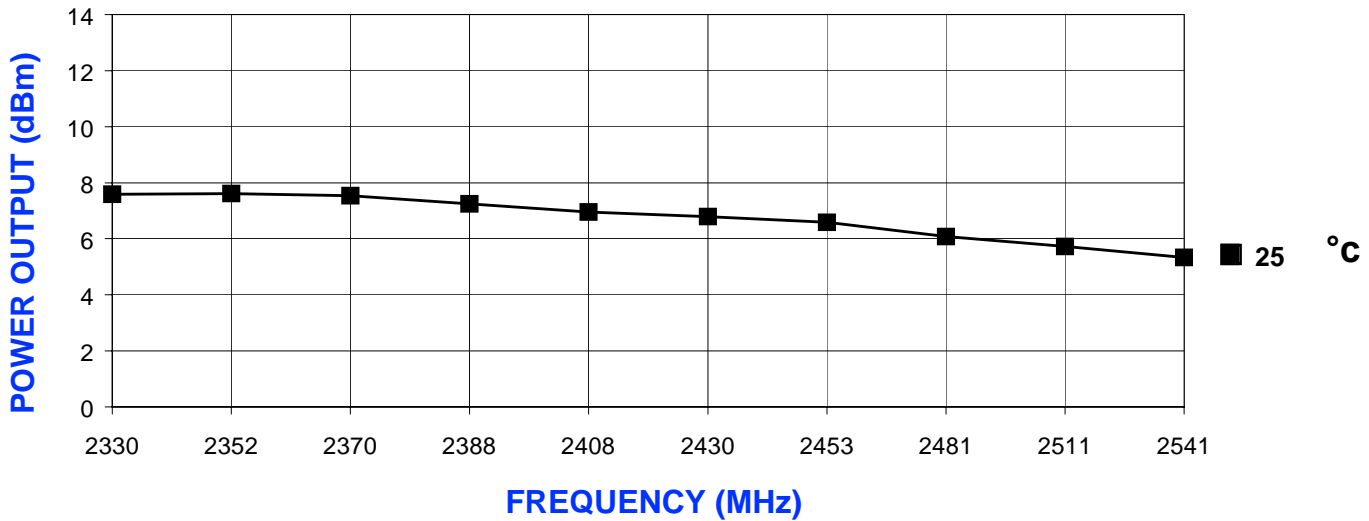
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

**NOTES:**

**TUNING CURVE, typ.**



**POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

