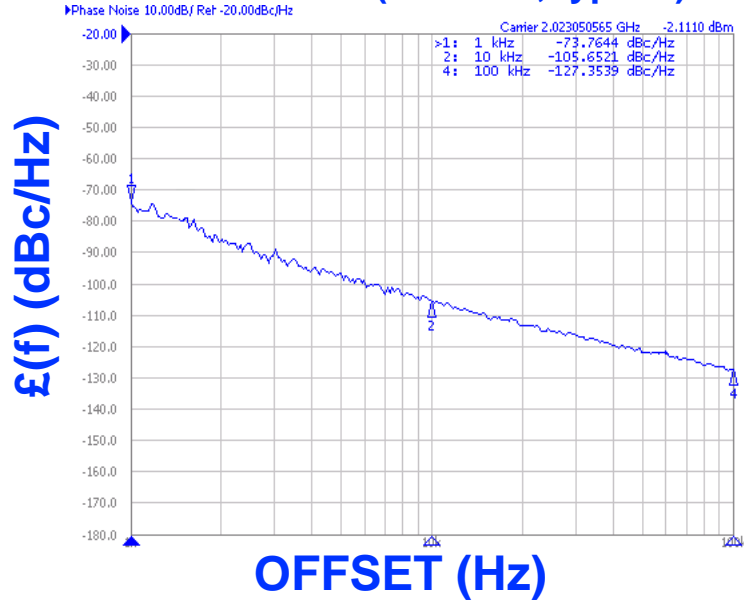




**PHASE NOISE (1 Hz BW, typical)**



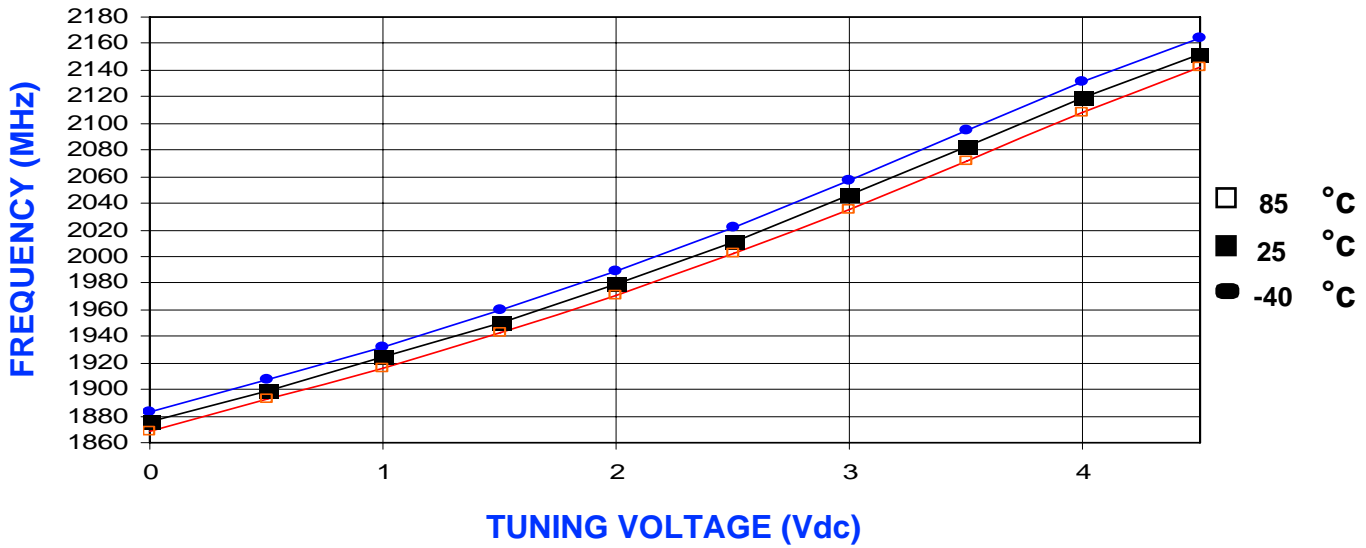
| FEATURES                          |
|-----------------------------------|
| • Frequency Range: 1926 -2120 MHz |
| • Tuning Voltage: 0.5-4.5 Vdc     |
| • MINI-16 - Style Package         |
| APPLICATIONS                      |
| • Digital Radio Equipment         |
| • Fixed Wireless Access           |
| • Satellite Communication Systems |

| PERFORMANCE SPECIFICATIONS                  | VALUE       | UNITS  |
|---|-------------|--------|
| Oscillation Frequency Range                 | 1926 - 2120 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -102        | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -15         | dBc    |
| Tuning Voltage                              | 0.5-4.5     | Vdc    |
| Tuning Sensitivity (avg.)                   | 63          | MHz/V  |
| Power Output                                | 3±3         | dBm    |
| Load Impedance                              | 50          | Ω      |
| Input Capacitance (max.)                    | 50          | pF     |
| Pushing                                     | <3          | MHz/V  |
| Pulling ( 14dB Return Loss, Any Phase)      | <1          | MHz    |
| Operating Temperature Range                 | -40 to 85   | °C     |
| Package Style                               | MINI-16     |        |
| POWER SUPPLY REQUIREMENTS                   |             |        |
| Supply Voltage (Vcc, nom.)                  | 5           | Vdc    |
| Supply Current (Icc, typ.)                  | 22          | mA     |

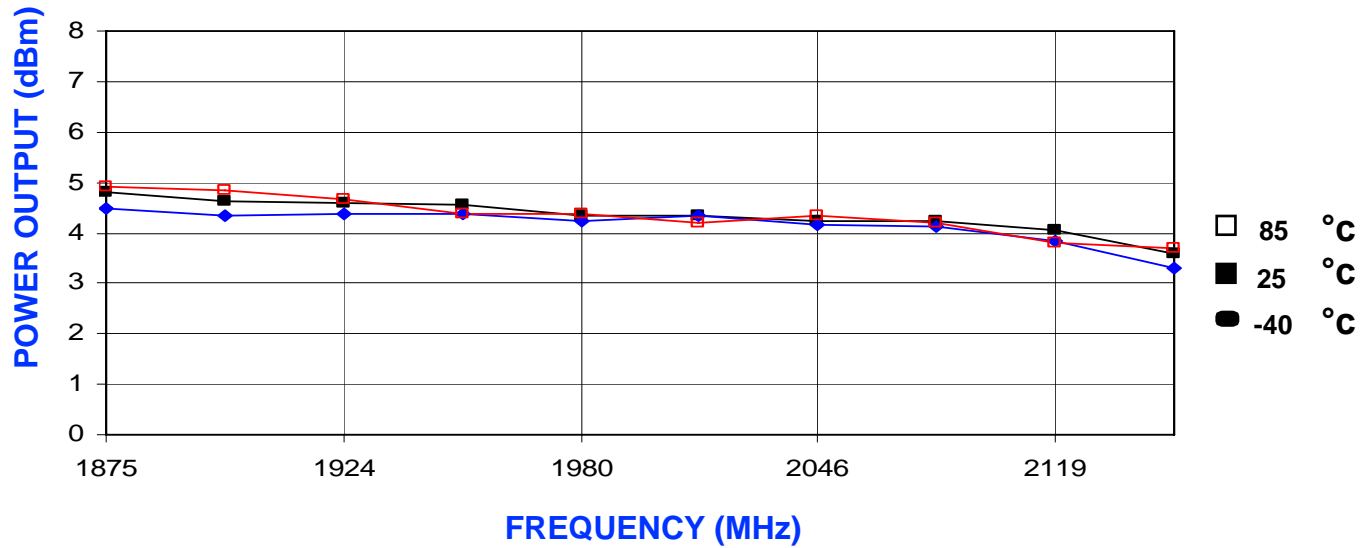
All specifications are typical unless otherwise noted and subject to change without notice.

| 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

