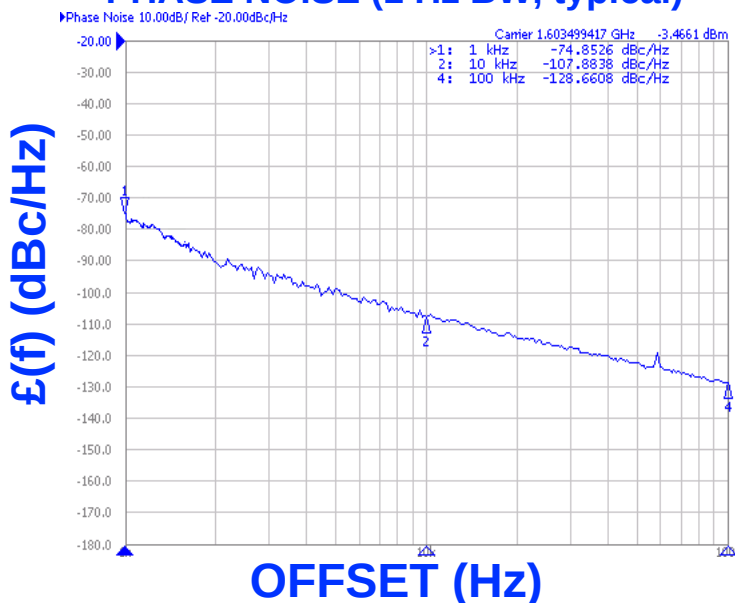




### PHASE NOISE (1 Hz BW, typical)



#### FEATURES

- Frequency Range: 1572 - 1635 MHz
- Tuning Voltage: 0.25-4.5 Vdc
- MINI-14S-L - Style Package

#### APPLICATIONS

- Digital Radios
- Basestations
- Mobile Communications

#### PERFORMANCE SPECIFICATIONS

|                                             | VALUE       | UNITS    |
|---------------------------------------------|-------------|----------|
| Oscillation Frequency Range                 | 1572 - 1635 | MHz      |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -107        | dBc/Hz   |
| Harmonic Suppression (2nd, typ.)            | -20         | dBc      |
| Tuning Voltage                              | 0.25-4.5    | Vdc      |
| Tuning Sensitivity (avg.)                   | 32          | MHz/V    |
| Power Output                                | 3.75±2.25   | dBm      |
| Load Impedance                              | 50          | $\Omega$ |
| Input Capacitance (max.)                    | 50          | pF       |
| Pushing                                     | <1          | MHz/V    |
| Pulling ( 14dB Return Loss, Any Phase)      | <1          | MHz      |
| Operating Temperature Range                 | -40 to 85   | °C       |
| Package Style                               | MINI-14S-L  |          |

#### POWER SUPPLY REQUIREMENTS

|                            |    |     |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 5  | Vdc |
| Supply Current (Icc, typ.) | 22 | mA  |

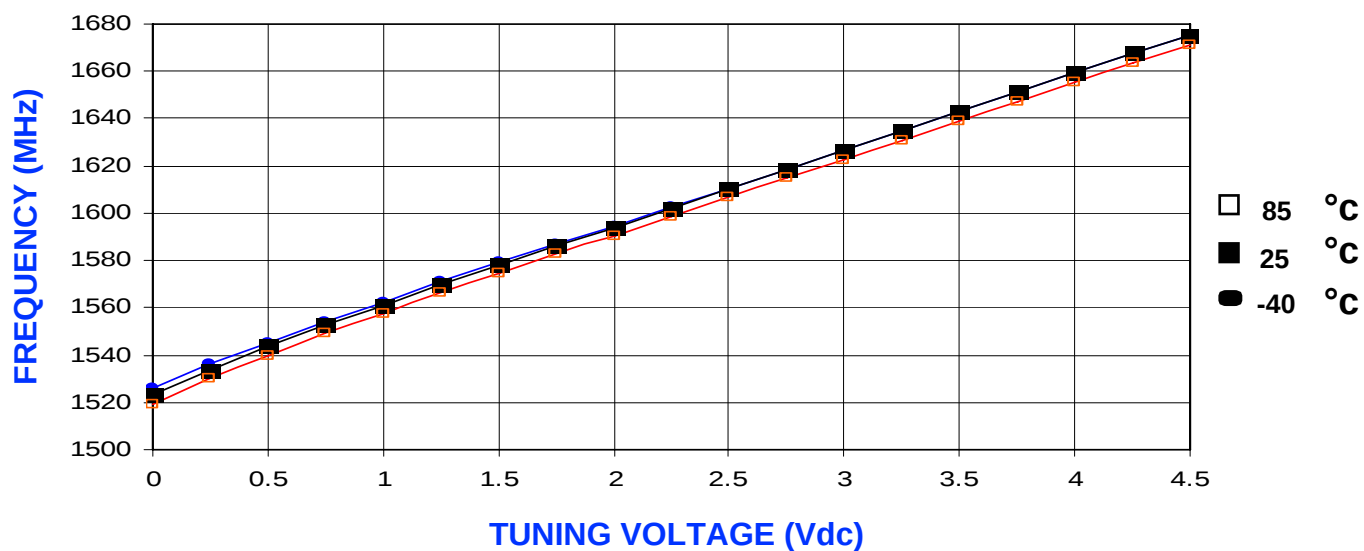
All specifications are typical unless otherwise noted and subject to change without notice.

#### APPLICATION NOTES

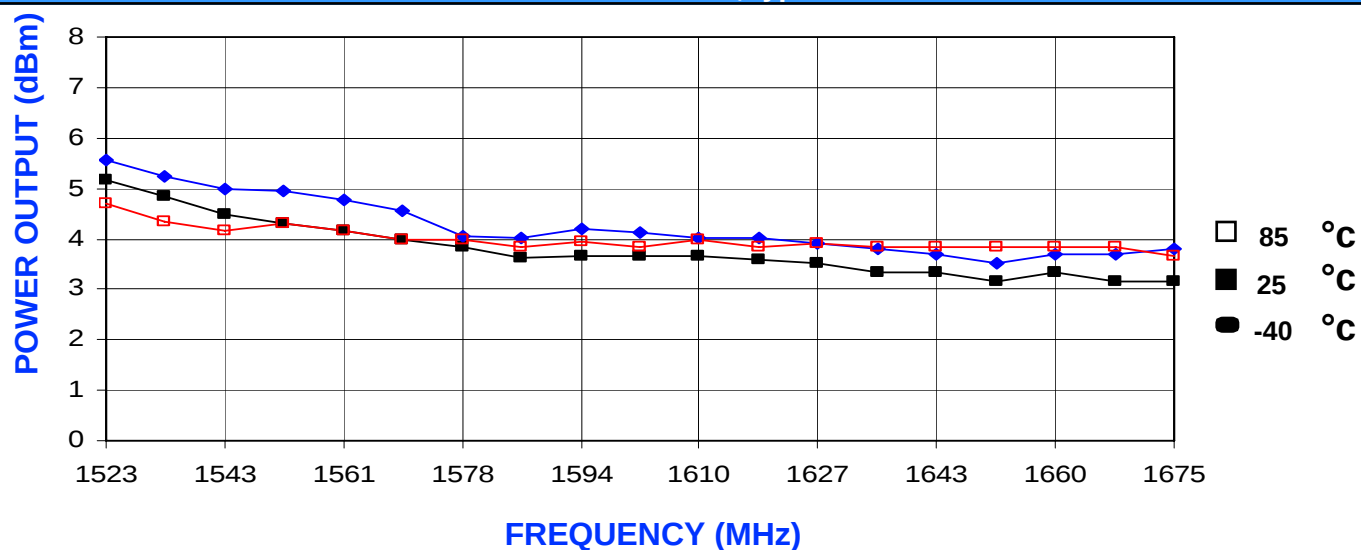
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

#### NOTES:

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

