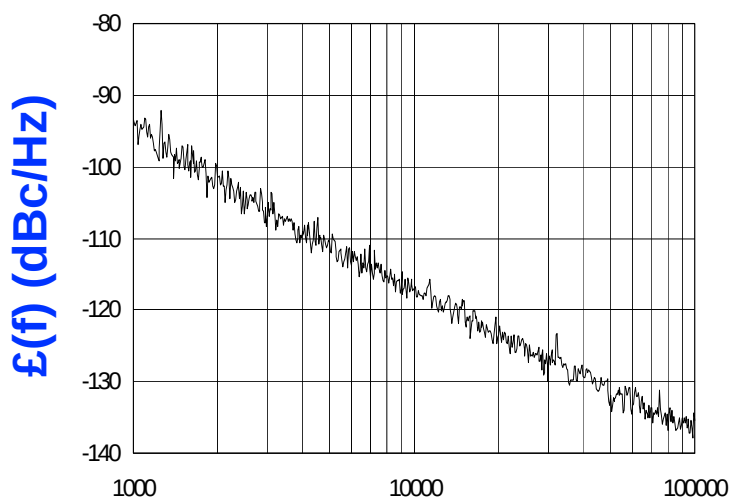




### PHASE NOISE (1 Hz BW, typical)



### OFFSET (Hz)

#### FEATURES

- Frequency Range: 1504 - 1511 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-16 - Style Package

#### APPLICATIONS

- Wireless Radios
- Mobile Communications
- Basestations

| PERFORMANCE SPECIFICATIONS                  | VALUE       | UNITS    |
|---------------------------------------------|-------------|----------|
| Oscillation Frequency Range                 | 1504 - 1511 | MHz      |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -118        | dBc/Hz   |
| Harmonic Suppression (2nd, typ.)            | -20         | dBc      |
| Tuning Voltage                              | 0.5-4.5     | Vdc      |
| Tuning Sensitivity (avg.)                   | 5           | MHz/V    |
| Power Output                                | 3±2         | dBm      |
| Load Impedance                              | 50          | $\Omega$ |
| Input Capacitance (max.)                    | 50          | pF       |
| Pushing                                     | <0.5        | MHz/V    |
| Pulling (14 dB Return Loss, Any Phase)      | <0.1        | 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.)                  | 19          | mA       |

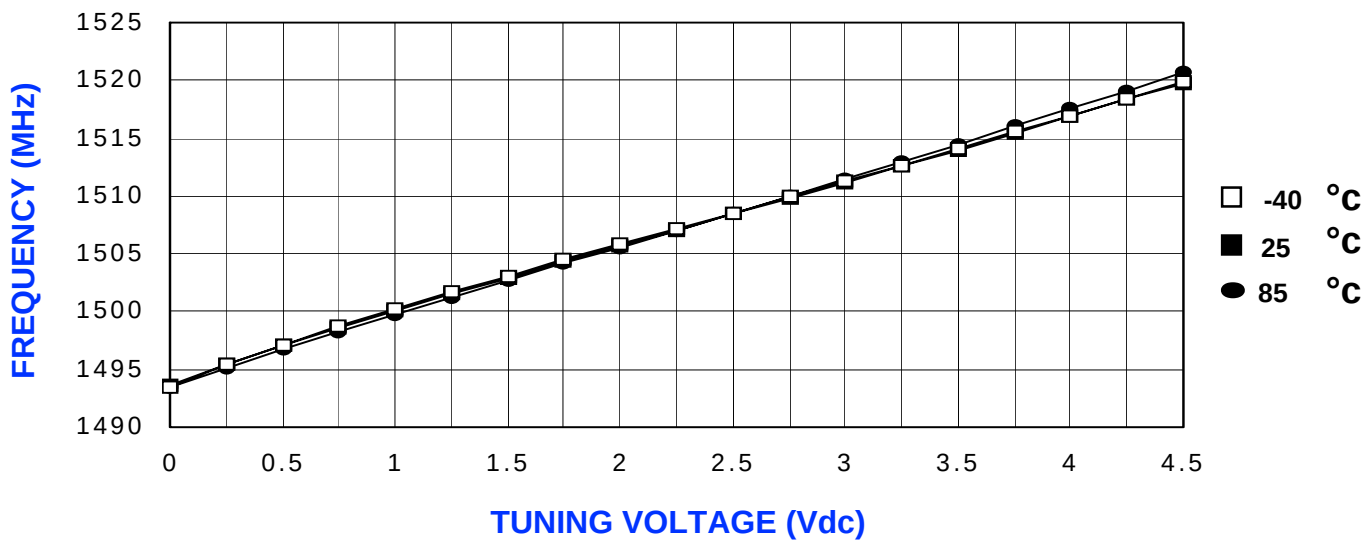
All specifications are typical unless otherwise noted and subject to change without notice.

#### APPLICATION NOTES

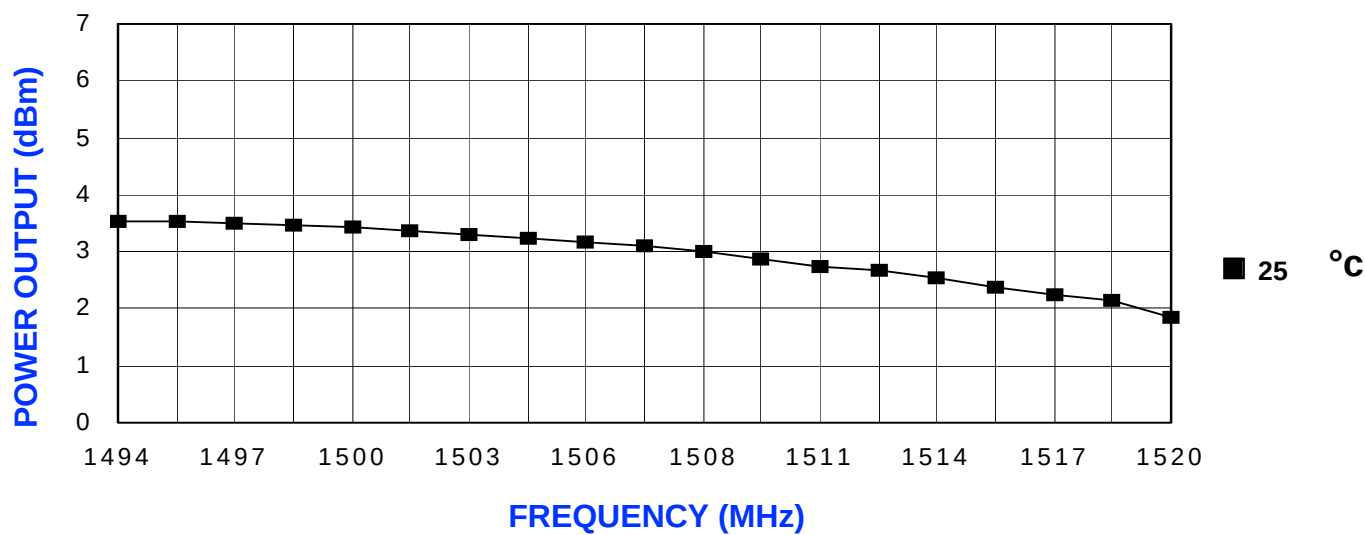
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

#### NOTES:

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

MINI-16  
415-0061 REV. B  
(DRAWING NOT TO SCALE)

