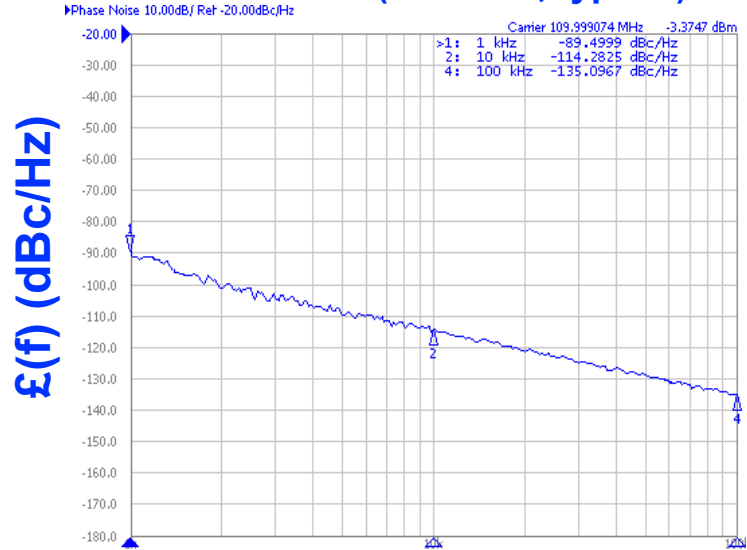




### PHASE NOISE (1 Hz BW, typical)



#### FEATURES

- Frequency Range: 100 - 120 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-16 - Style Package

#### APPLICATIONS

- Portable Radios
- Satellite Modems
- Earthstations

#### PERFORMANCE SPECIFICATIONS

|                                             | VALUE     | UNITS  |
|---------------------------------------------|-----------|--------|
| Oscillation Frequency Range                 | 100 - 120 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -114      | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -10       | dBc    |
| Tuning Voltage                              | 0.5-4.5   | Vdc    |
| Tuning Sensitivity (avg.)                   | 11        | MHz/V  |
| Power Output                                | 2±2       | dBm    |
| Load Impedance                              | 50        | Ω      |
| Input Capacitance (max.)                    | 95000     | pF     |
| Pushing                                     | <0.2      | MHz/V  |
| Pulling ( 14dB Return Loss, Any Phase)      | <0.2      | 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.) | 6 | mA  |

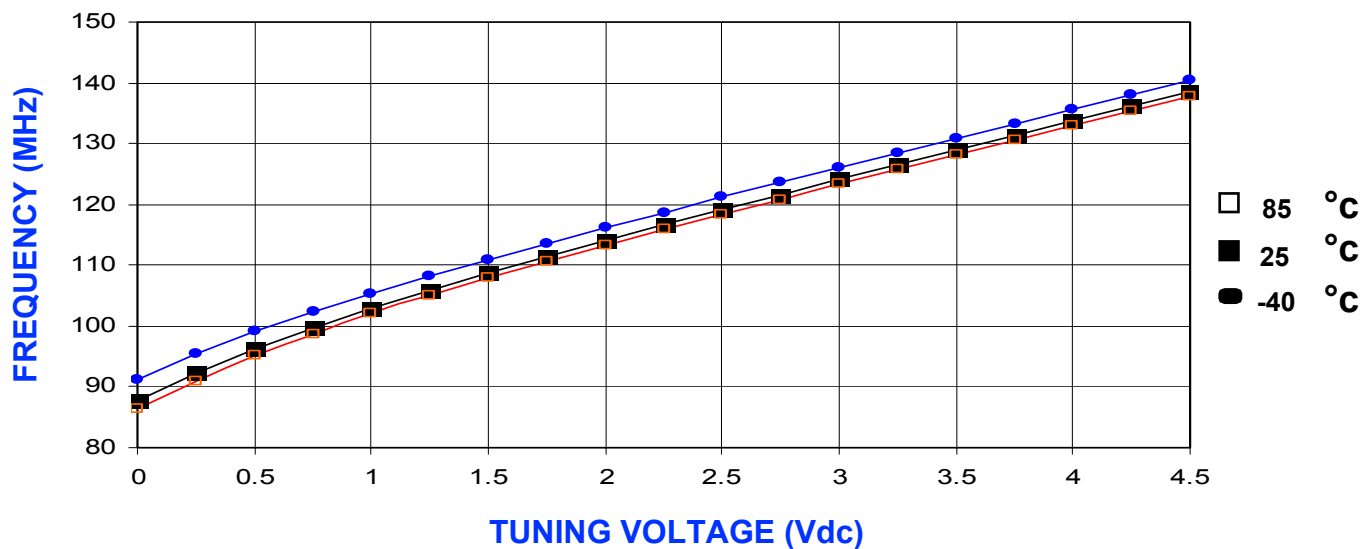
All specifications are typical unless otherwise noted and subject to change without notice.

#### APPLICATION NOTES

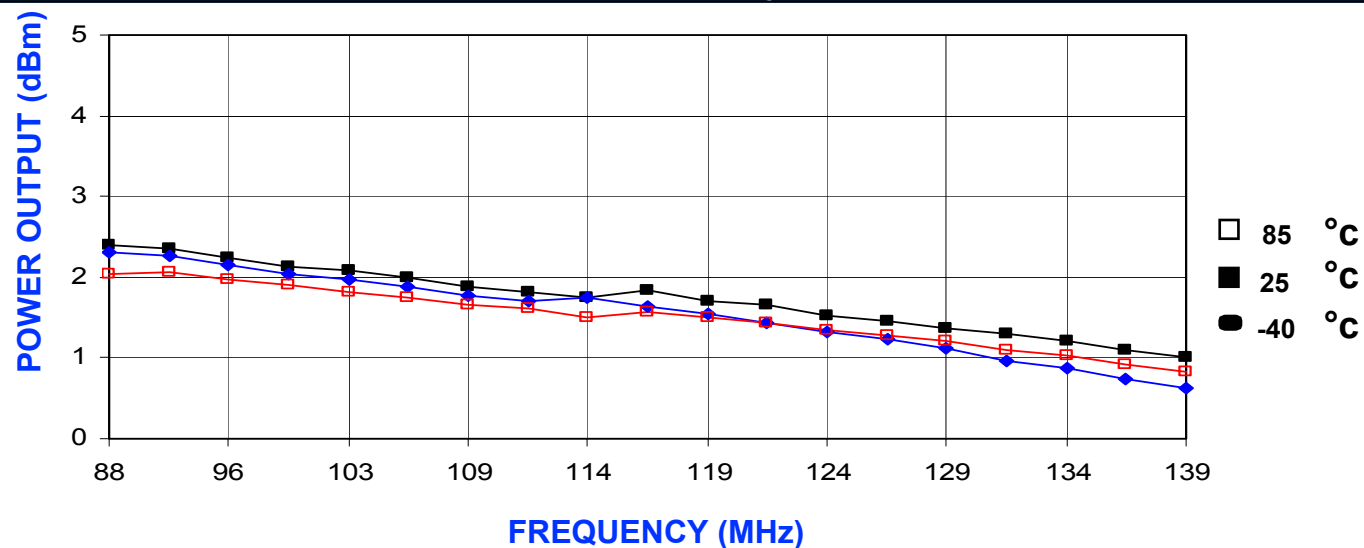
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

#### NOTES:

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

