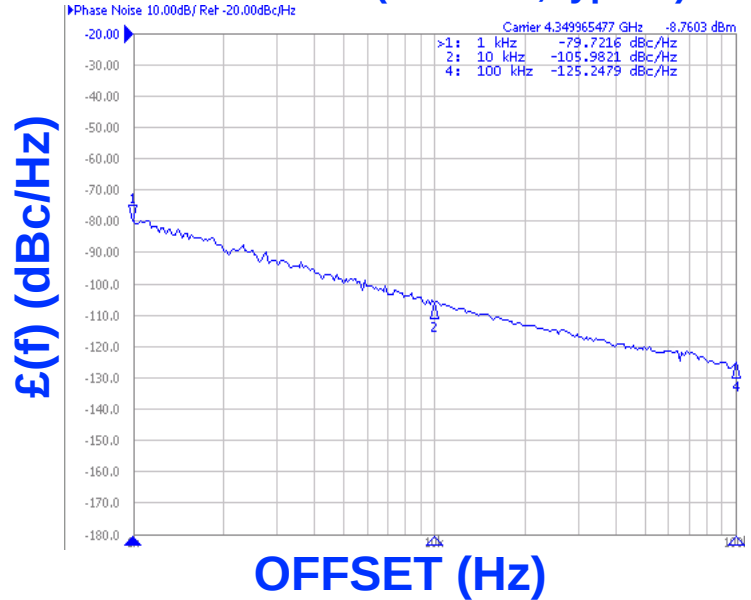




### PHASE NOISE (1 Hz BW, typical)



#### FEATURES

- Frequency Range: 4350 - 4350 MHz
- Tuning Voltage: 1-4 Vdc
- MINI-16 - Style Package

#### APPLICATIONS

- Microwave Radios
- Satellite Communications
- Direct Broadcast

#### PERFORMANCE SPECIFICATIONS

|                                             | VALUE       | UNITS    |
|---------------------------------------------|-------------|----------|
| Oscillation Frequency Range                 | 4350 - 4350 | MHz      |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -105        | dBc/Hz   |
| Harmonic Suppression (2nd, typ.)            | -15         | dBc      |
| Tuning Voltage                              | 1-4         | Vdc      |
| Tuning Sensitivity (avg.)                   | 10          | MHz/V    |
| Power Output                                | 0±4         | dBm      |
| Load Impedance                              | 50          | $\Omega$ |
| Input Capacitance (max.)                    | 50          | pF       |
| Pushing                                     | <2          | 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.) | 16 | mA  |

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

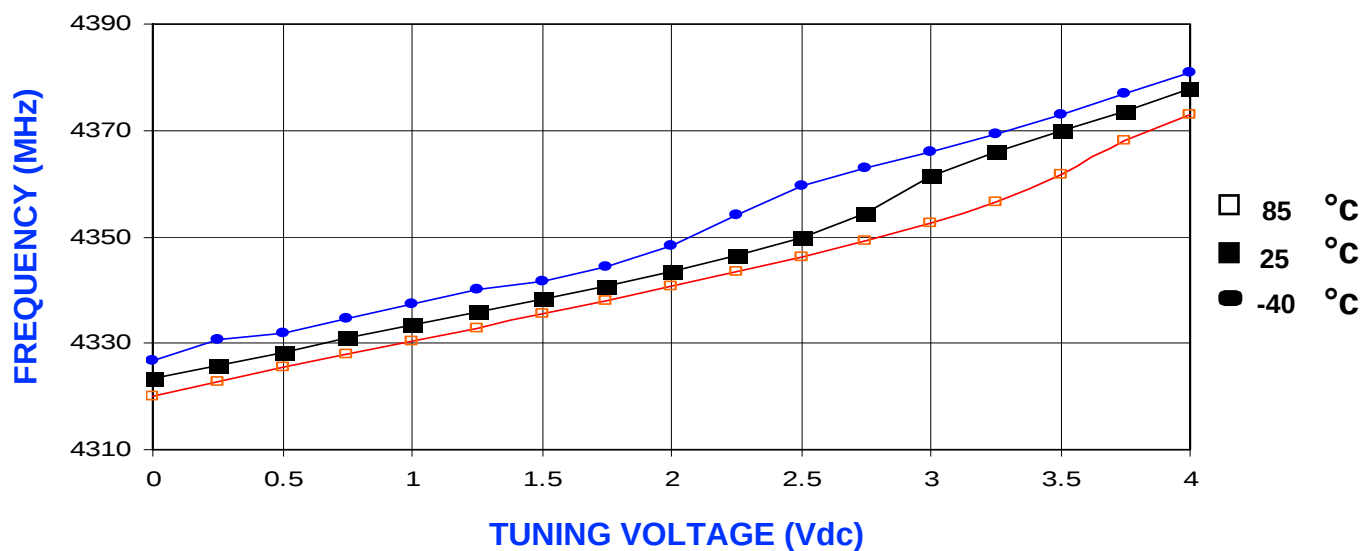
#### APPLICATION NOTES

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

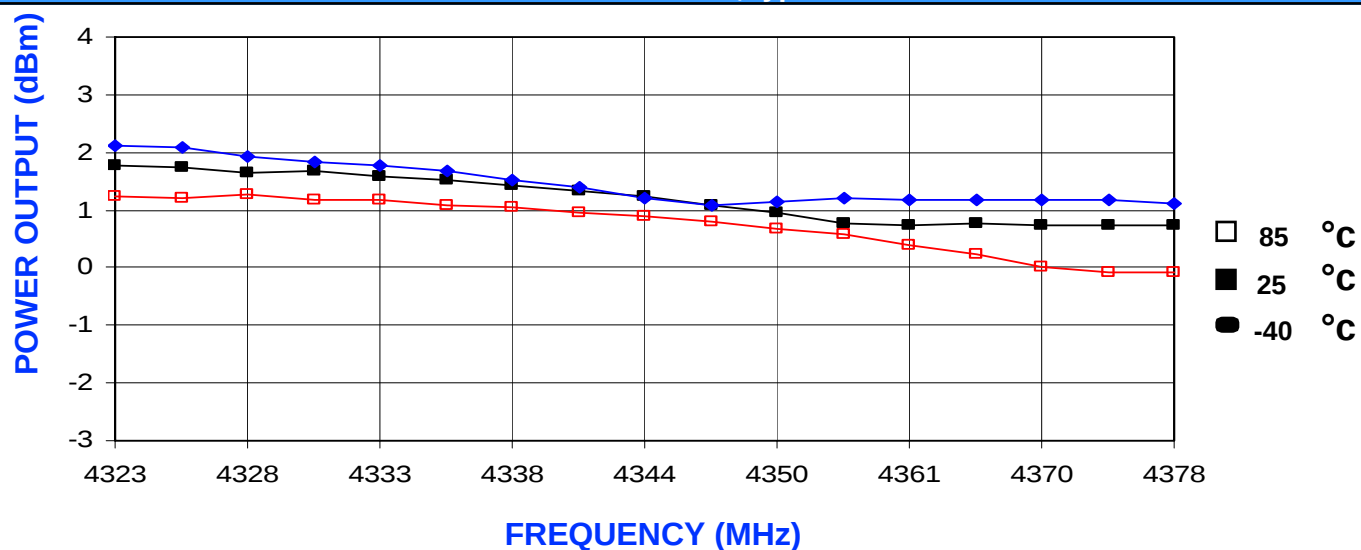
#### NOTES:

**Storage Temperature: -55 to 85°C**

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

