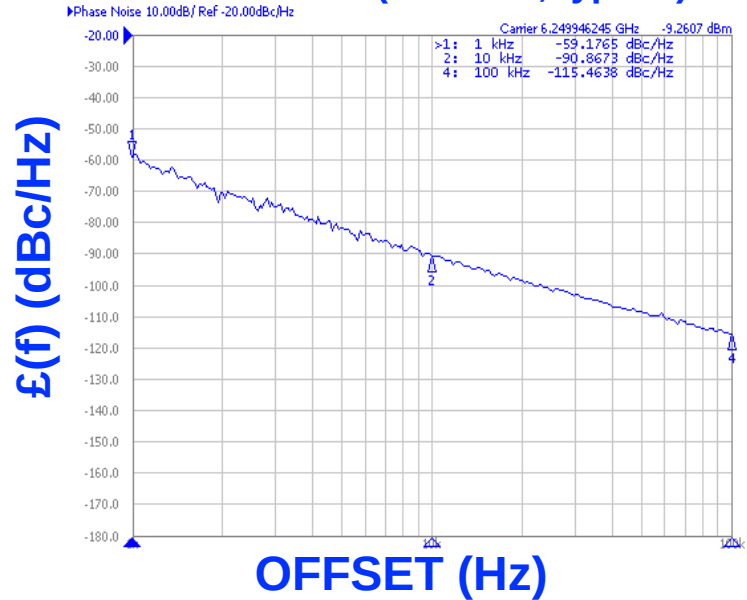




### PHASE NOISE (1 Hz BW, typical)



#### FEATURES

- Frequency Range: 6250 - 6650 MHz
- Tuning Voltage: 0.5 - 8 Vdc
- MINI-16 - Style Package

#### APPLICATIONS

- Basestations
- Satellite Communications

#### PERFORMANCE SPECIFICATIONS

|                                             | VALUE       | UNITS    |
|---------------------------------------------|-------------|----------|
| Oscillation Frequency Range                 | 6250 - 6650 | MHz      |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -89         | dBc/Hz   |
| Harmonic Suppression (2nd, typ.)            | -20         | dBc      |
| Tuning Voltage                              | 0.5 - 8     | Vdc      |
| Tuning Sensitivity (avg.)                   | 74          | MHz/V    |
| Power Output                                | 2.5±2.5     | dBm      |
| Load Impedance                              | 50          | $\Omega$ |
| Input Capacitance (max.)                    | 10          | pF       |
| Pushing                                     | <3          | MHz/V    |
| Pulling (14 dB Return Loss, Any Phase)      | <4          | MHz      |
| Operating Temperature Range                 | -40 to 85   | °C       |
| Package Style                               | MINI-16     |          |

#### POWER SUPPLY REQUIREMENTS

|                            |    |     |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 8  | Vdc |
| Supply Current (Icc, typ.) | 26 | mA  |

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

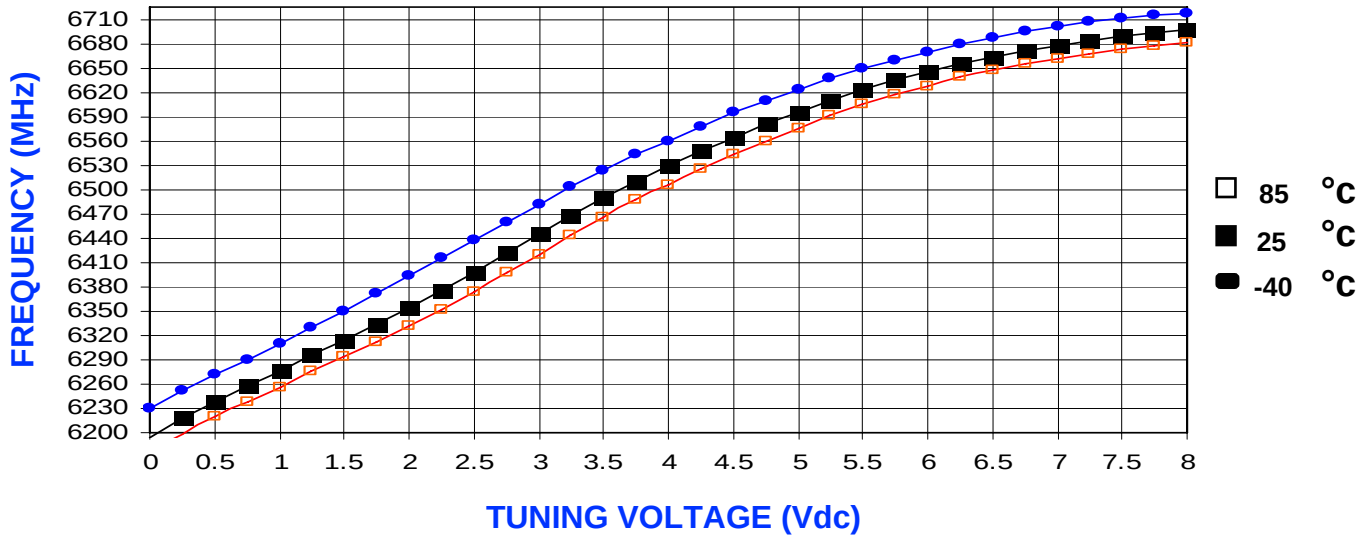
#### APPLICATION NOTES

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

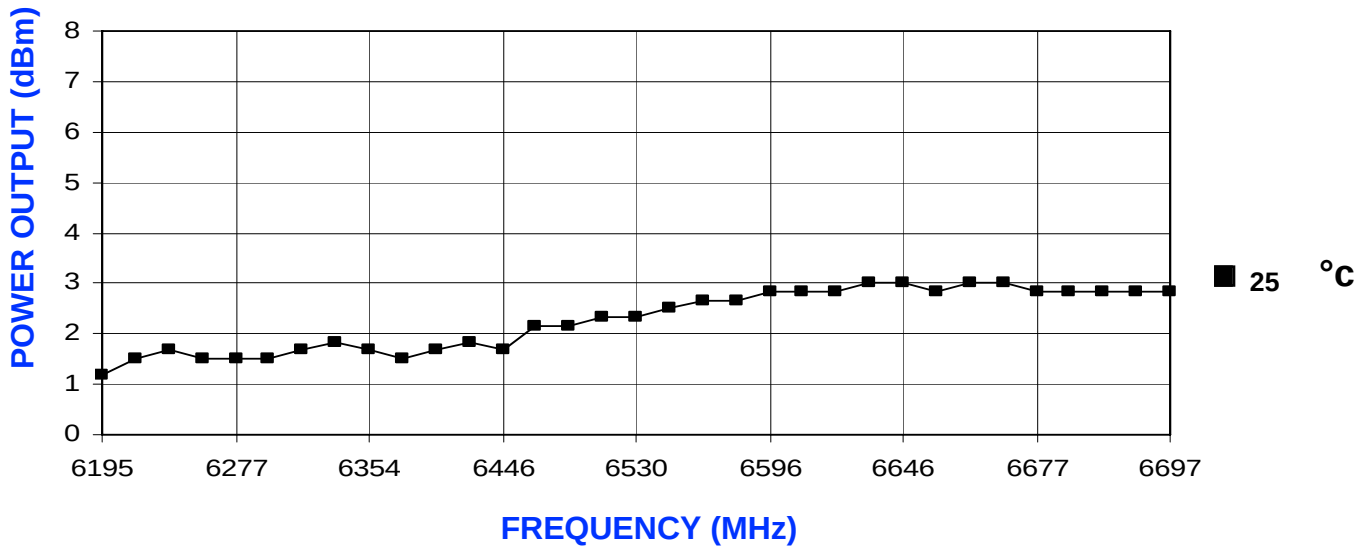
#### NOTES:

Phase Noise @ 1 kHz offset (1 Hz BW, max.): -82dBc/Hz

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

