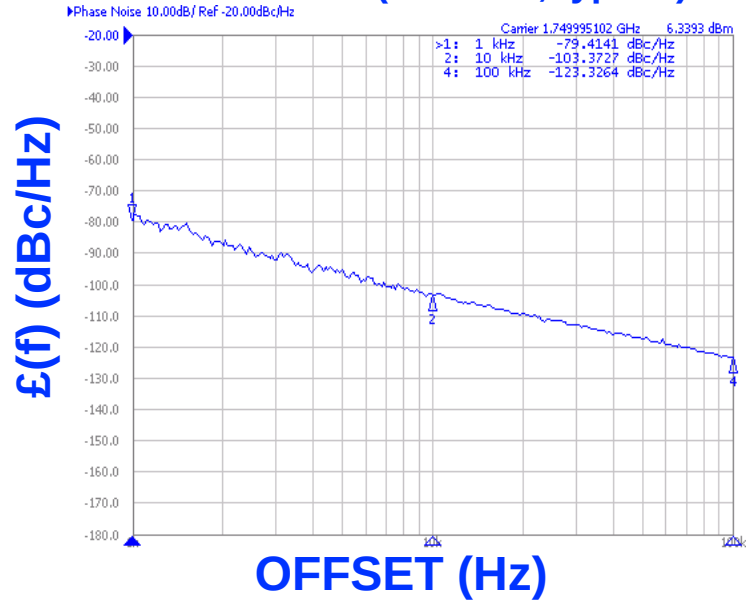




### PHASE NOISE (1 Hz BW, typical)



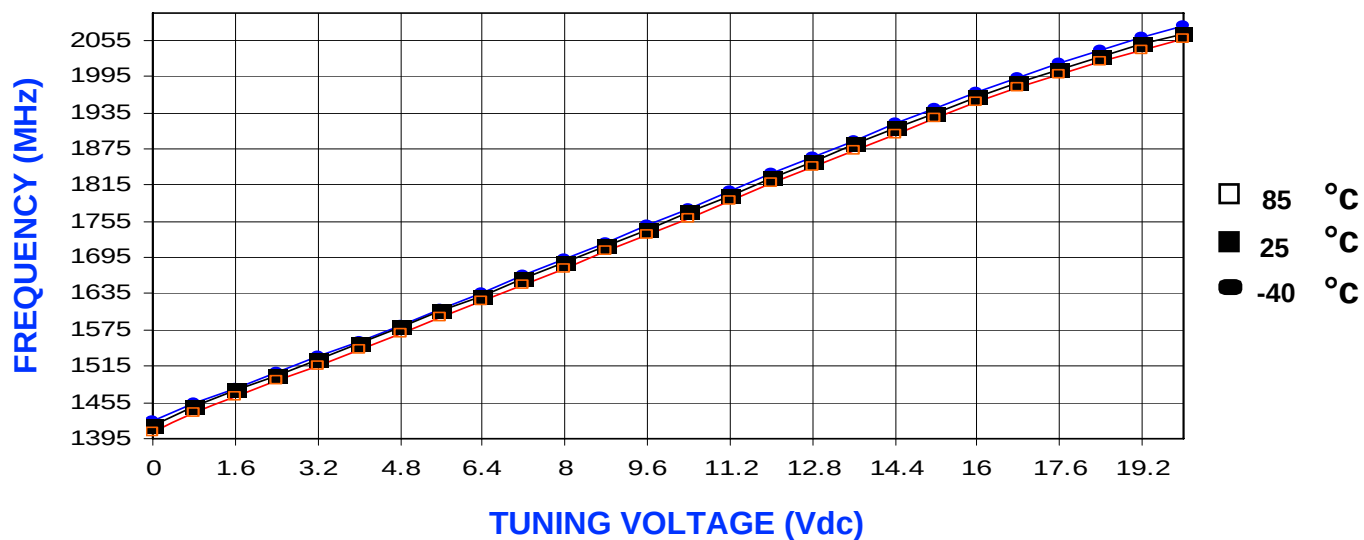
| FEATURES                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Frequency Range: 1500 - 2000 MHz</li> <li>Tuning Voltage: 0.8-20 Vdc</li> <li>MINI-14S - Style Package</li> </ul> |
| APPLICATIONS                                                                                                                                             |
| <ul style="list-style-type: none"> <li>Satellite Communications</li> <li>Test Instrumentation</li> <li>Cable Modems</li> </ul>                           |

| PERFORMANCE SPECIFICATIONS                  | VALUE       | UNITS  |
|---------------------------------------------|-------------|--------|
| Oscillation Frequency Range                 | 1500 - 2000 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -103        | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -10         | dBc    |
| Tuning Voltage                              | 0.8-20      | Vdc    |
| Tuning Sensitivity (avg.)                   | 34          | MHz/V  |
| Power Output                                | 5±2         | dBm    |
| Load Impedance                              | 50          | Ω      |
| Input Capacitance (max.)                    | 100         | pF     |
| Pushing                                     | <3          | MHz/V  |
| Pulling ( 14dB Return Loss, Any Phase)      | <9          | MHz    |
| Operating Temperature Range                 | -40 to 85   | °C     |
| Package Style                               | MINI-14S    |        |
| POWER SUPPLY REQUIREMENTS                   |             |        |
| Supply Voltage (Vcc, nom.)                  | 10          | Vdc    |
| Supply Current (Icc, typ.)                  | 15          | mA     |

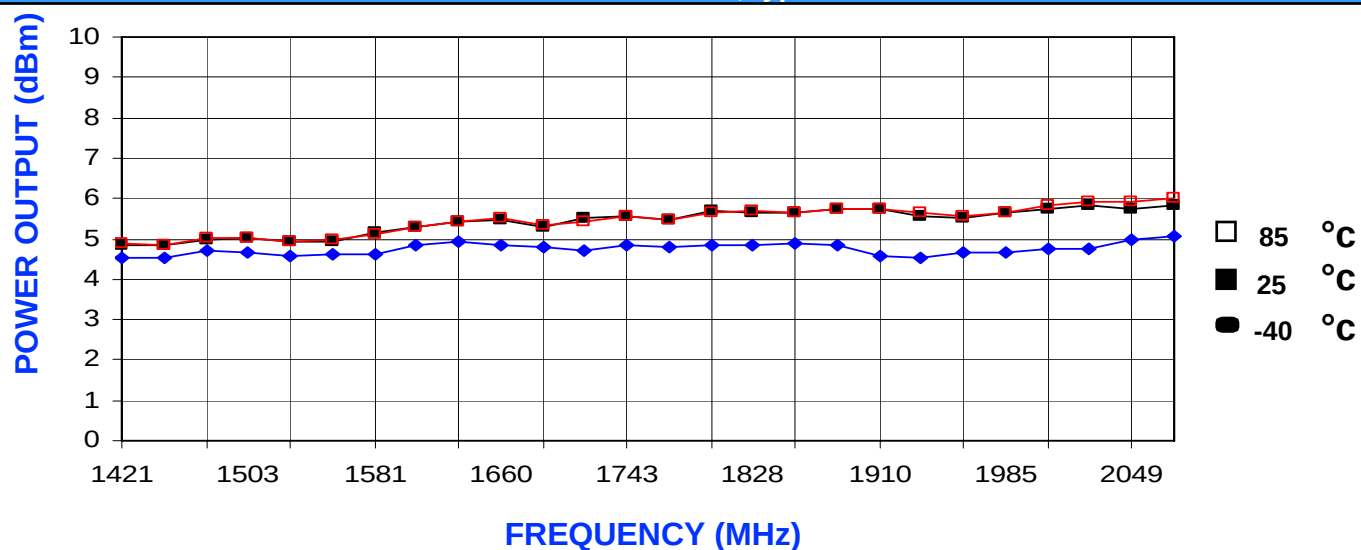
All specifications are typical unless otherwise noted and subject to change without notice.

| APPLICATION NOTES                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>AN-100/1 : Mounting and Grounding of VCOs</li> <li>AN-102 : Proper Output Loading of VCOs</li> <li>AN-107 : How to Solder Z-COMM VCOs</li> </ul> |
| NOTES:                                                                                                                                                                                  |
|                                                                                                                                                                                         |

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

