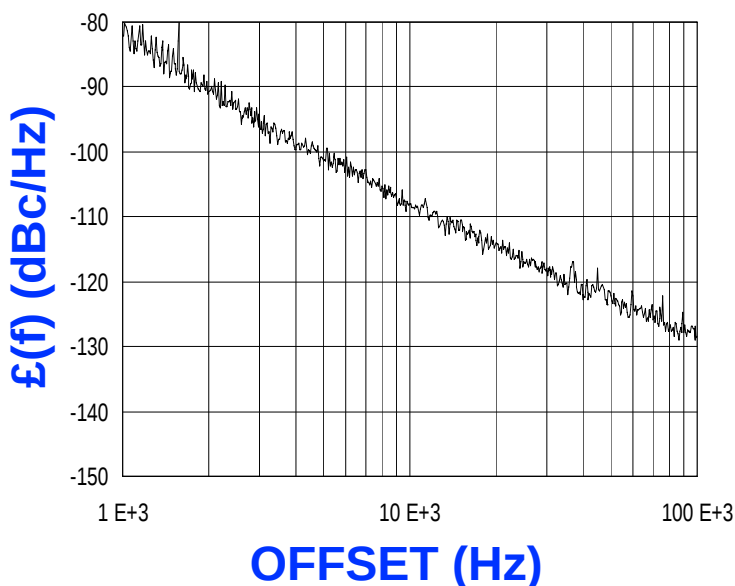




### PHASE NOISE (1 Hz BW, typical)



| FEATURES                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Frequency Range: 1020 - 1150 MHz</li> <li>• Tuning Voltage: 0.5 - 4.75 Vdc</li> <li>• MINI-14S-L - Style Package</li> </ul> |
| APPLICATIONS                                                                                                                                                         |
| <ul style="list-style-type: none"> <li>• Digital Radios</li> <li>• Basestations</li> <li>• Satellite Communications</li> </ul>                                       |

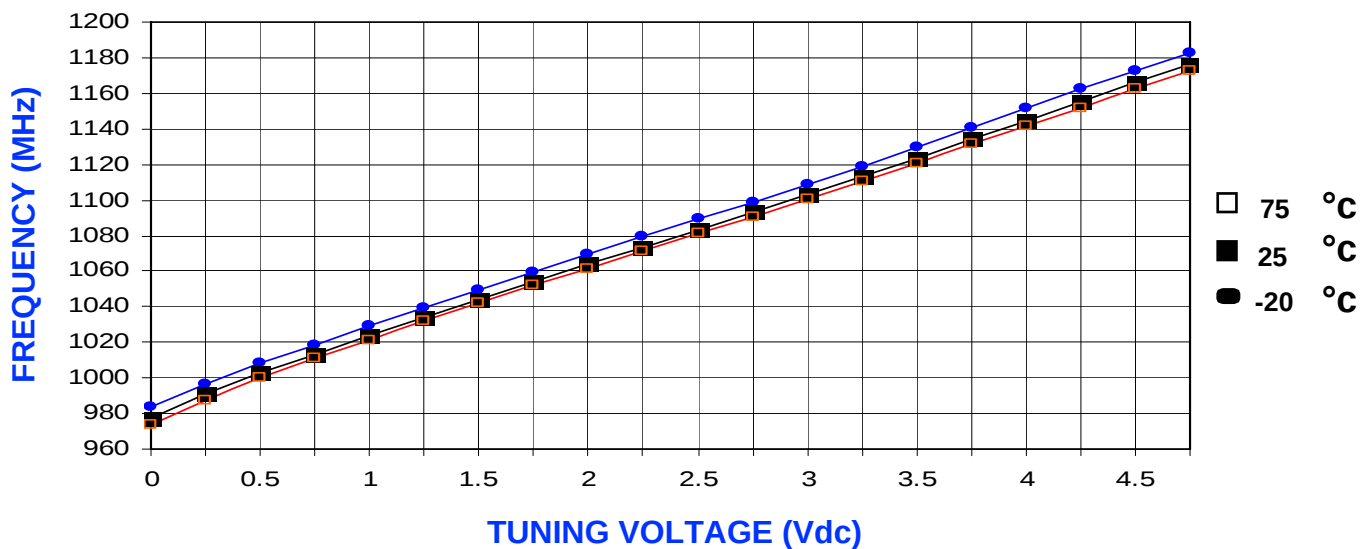
| PERFORMANCE SPECIFICATIONS                  | VALUE       | UNITS    |
|---------------------------------------------|-------------|----------|
| Oscillation Frequency Range                 | 1020 - 1150 | MHz      |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -107        | dBc/Hz   |
| Harmonic Suppression (2nd, typ.)            | -15         | dBc      |
| Tuning Voltage                              | 0.5 - 4.75  | Vdc      |
| Tuning Sensitivity (avg.)                   | 40          | MHz/V    |
| Power Output                                | 2.5±2.5     | dBm      |
| Load Impedance                              | 50          | $\Omega$ |
| Input Capacitance (max.)                    | 150         | pF       |
| Pushing                                     | <2          | MHz/V    |
| Pulling ( 14dB Return Loss, Any Phase)      | <2          | MHz      |
| Operating Temperature Range                 | -20 to 75   | °C       |
| Package Style                               | MINI-14S-L  |          |

| POWER SUPPLY REQUIREMENTS  |    |     |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 5  | Vdc |
| Supply Current (Icc, typ.) | 20 | mA  |

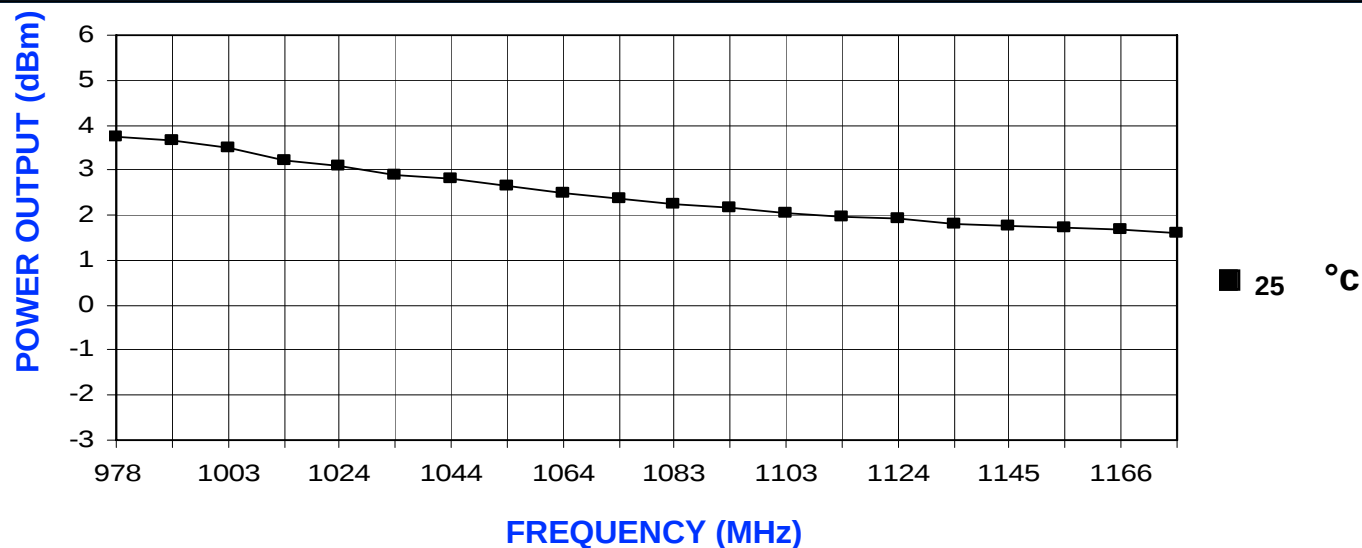
All specifications are typical unless otherwise noted and subject to change without notice.

| 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> |
| <b>NOTES:</b>                                                                                                                                                                                 |

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

