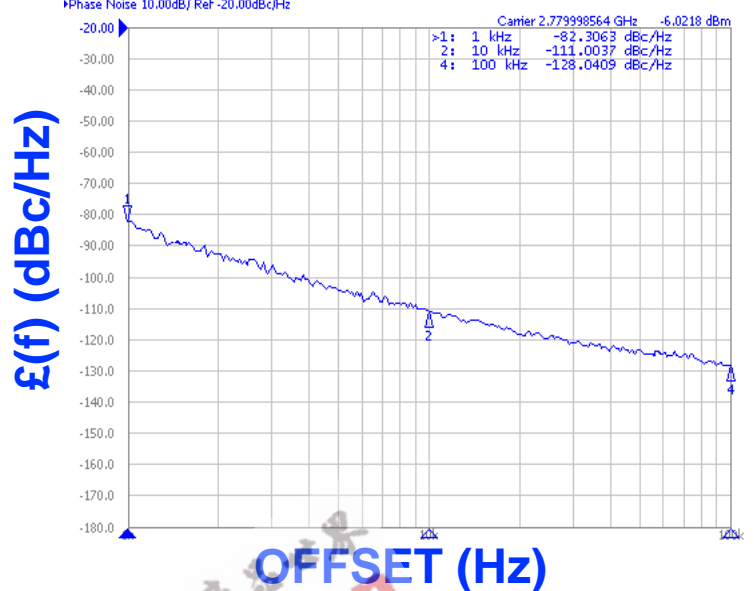


**PHASE NOISE (1 Hz BW, typical)**



| FEATURES  |
|---|
| <ul style="list-style-type: none"> <li>• Frequency Range: 2650 - 2910 MHz</li> <li>• Tuning Voltage: 0.5-18 Vdc</li> <li>• MINI-16 - Style Package</li> </ul> |
| APPLICATIONS  |
| <ul style="list-style-type: none"> <li>• Digital Radio Equipments</li> <li>• Satellite Communications</li> <li>• Fixed Wireless Access</li> </ul>             |

| PERFORMANCE SPECIFICATIONS                  | VALUE       | UNITS  |
|---|-------------|--------|
| Oscillation Frequency Range                 | 2650 - 2910 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -111        | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -15         | dBc    |
| Tuning Voltage                              | 0.5-18      | Vdc    |
| Tuning Sensitivity (avg.)                   | 20          | MHz/V  |
| Power Output                                | 0±3         | dBm    |
| Load Impedance                              | 50          | Ω      |
| Input Capacitance (max.)                    | 50          | pF     |
| Pushing                                     | <1          | 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.)                  | 8           | Vdc    |
| Supply Current (Icc, typ.)                  | 26          | 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:**

