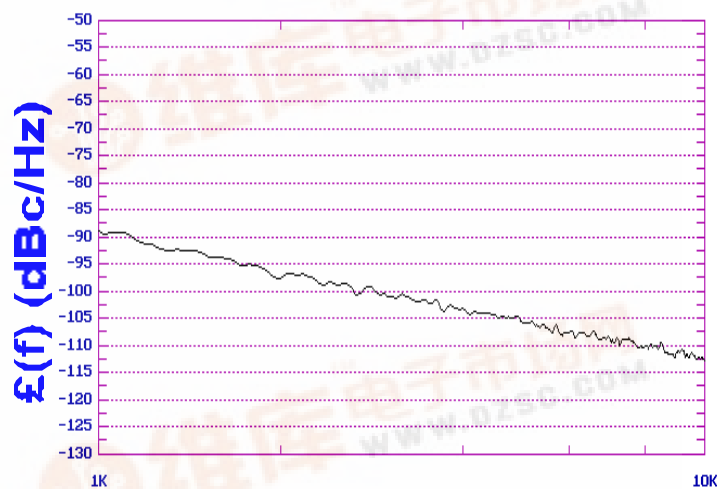


**PHASE NOISE (1 Hz BW, typical)**



**OFFSET (Hz)**

**FEATURES**

- Frequency Range: 1061 - 1063 MHz
- Tuning Voltage: 1.5-4.0 Vdc
- MINI-14MS - Style Package

**APPLICATIONS**

- Digital Radios
- Satellite Communications
- Basestations

**PERFORMANCE SPECIFICATIONS**

|                                             | VALUE       | UNITS  |
|---------------------------------------------|-------------|--------|
| Oscillation Frequency Range                 | 1061 - 1063 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -111        | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -30         | dBc    |
| Tuning Voltage                              | 1.5-4.0     | Vdc    |
| Tuning Sensitivity (avg.)                   | 20          | MHz/V  |
| Power Output                                | 2±3         | dBm    |
| Load Impedance                              | 50          | Ω      |
| Input Capacitance (max.)                    | 100         | pF     |
| Pushing                                     | <1.5        | MHz/V  |
| Pulling (14 dB Return Loss, Any Phase)      | <2.5        | MHz    |
| Operating Temperature Range                 | 0 to 80     | °C     |
| Package Style                               | MINI-14MS   |        |

**POWER SUPPLY REQUIREMENTS**

|                            |    |     |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 5  | Vdc |
| Supply Current (Icc, typ.) | 22 | 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:**

LOW COST - HIGH PERFORMANCE  
VOLTAGE CONTROLLED OSCILLATOR

