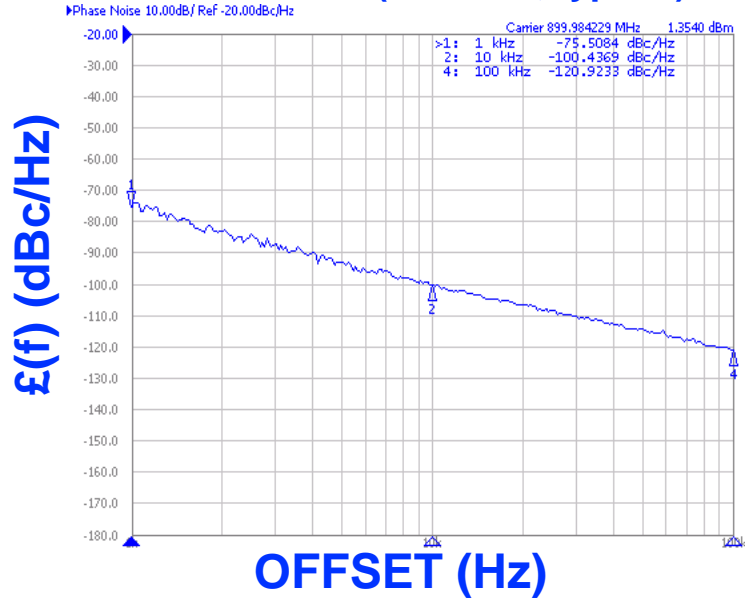




**PHASE NOISE (1 Hz BW, typical)**



| FEATURES                          |
|-----------------------------------|
| • Frequency Range: 600 - 1200 MHz |
| • Tuning Voltage: 0-13 Vdc        |
| • MINI-16 - Style Package         |
| APPLICATIONS                      |
| • Portable Radios                 |
| • Earthstations                   |
| • CATV                            |

| PERFORMANCE SPECIFICATIONS                  | VALUE      | UNITS  |
|---|------------|--------|
| Oscillation Frequency Range                 | 600 - 1200 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -100       | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -12        | dBc    |
| Tuning Voltage                              | 0-13       | Vdc    |
| Tuning Sensitivity (avg.)                   | 58         | MHz/V  |
| Power Output                                | 8.5±1.5    | dBm    |
| Load Impedance                              | 50         | Ω      |
| Input Capacitance (max.)                    | 150        | pF     |
| Pushing                                     | <3         | MHz/V  |
| Pulling ( 14dB Return Loss, Any Phase)      | <7         | MHz    |
| Operating Temperature Range                 | -40 to 85  | °C     |
| Package Style                               | MINI-16    |        |

| POWER SUPPLY REQUIREMENTS  | VALUE | UNITS |
|----------------------------|-------|-------|
| Supply Voltage (Vcc, nom.) | 10    | Vdc   |
| Supply Current (Icc, typ.) | 18    | 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:**  
 REV B: V706MC02 on new board.

