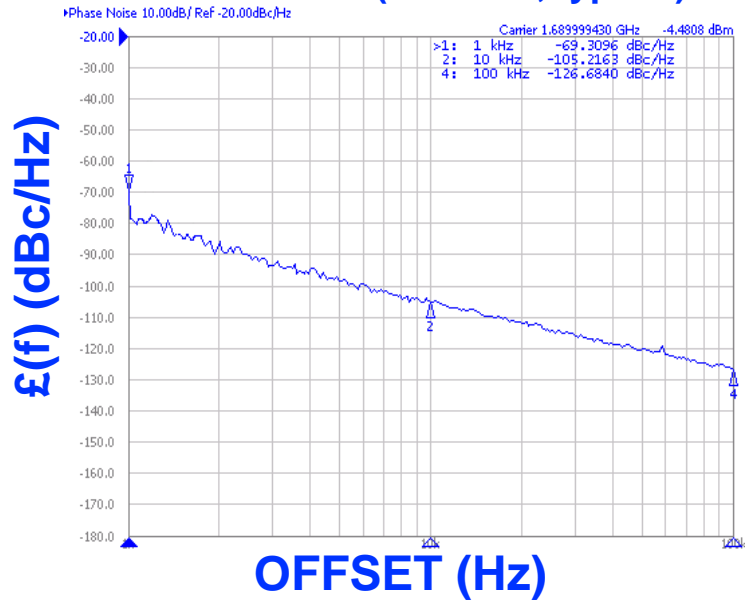


**PHASE NOISE (1 Hz BW, typical)**



| FEATURES  |
|---|
| <ul style="list-style-type: none"> <li>• Frequency Range: 1640 - 1740 MHz</li> <li>• Tuning Voltage: 0.5-11 Vdc</li> <li>• MINI-16-L - Style Package</li> </ul> |
| APPLICATIONS  |
| <ul style="list-style-type: none"> <li>• Mobile Communications</li> <li>• Basestations</li> <li>•</li> </ul>  |

| PERFORMANCE SPECIFICATIONS                  | VALUE       | UNITS  |
|---|-------------|--------|
| Oscillation Frequency Range                 | 1640 - 1740 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -105        | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -35         | dBc    |
| Tuning Voltage                              | 0.5-11      | Vdc    |
| Tuning Sensitivity (avg.)                   | 30          | MHz/V  |
| Power Output                                | 2.5±2.5     | dBm    |
| Load Impedance                              | 50          | Ω      |
| Input Capacitance (max.)                    | 50          | pF     |
| Pushing                                     | <3          | MHz/V  |
| Pulling (14 dB Return Loss, Any Phase)      | <1.5        | MHz    |
| Operating Temperature Range                 | -40 to 85   | °C     |
| Package Style                               | MINI-16-L   |        |

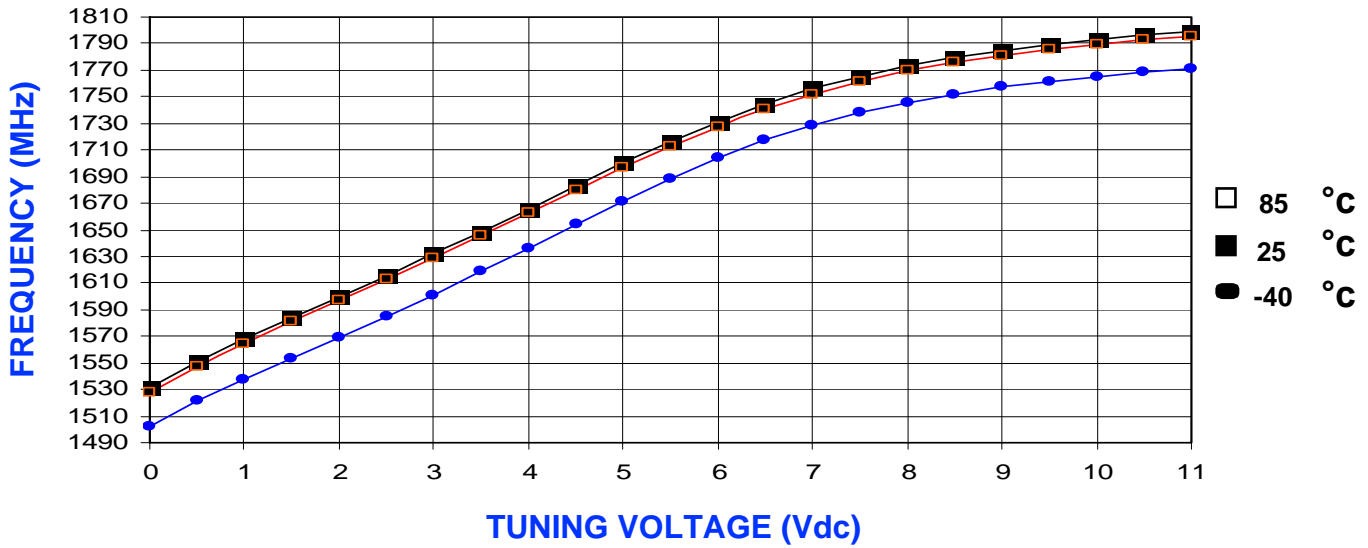
| POWER SUPPLY REQUIREMENTS  |    |     |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 5  | Vdc |
| Supply Current (Icc, typ.) | 23 | mA  |

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

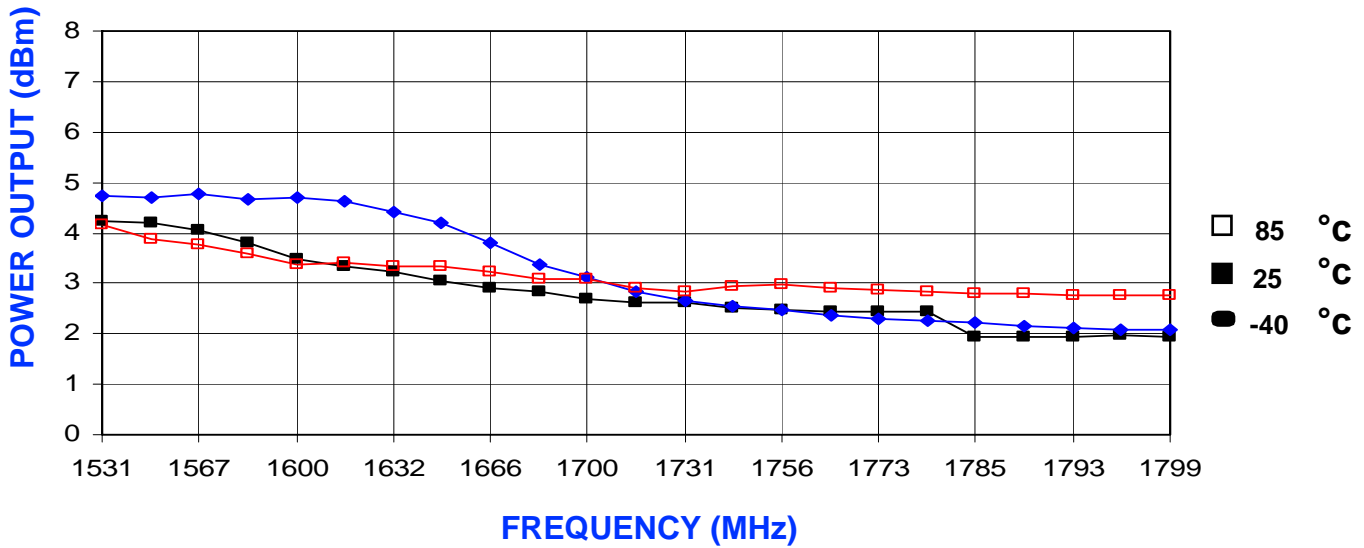
| APPLICATION NOTES   |
|---|
| <ul style="list-style-type: none"> <li>• AN-100/1 : Mounting and Grounding of VCOs</li> <li>• AN-102 : Proper Output Loading of VCOs</li> <li>• AN-107 : How to Solder Z-COMM VCOs</li> </ul> |

**NOTES:**

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

