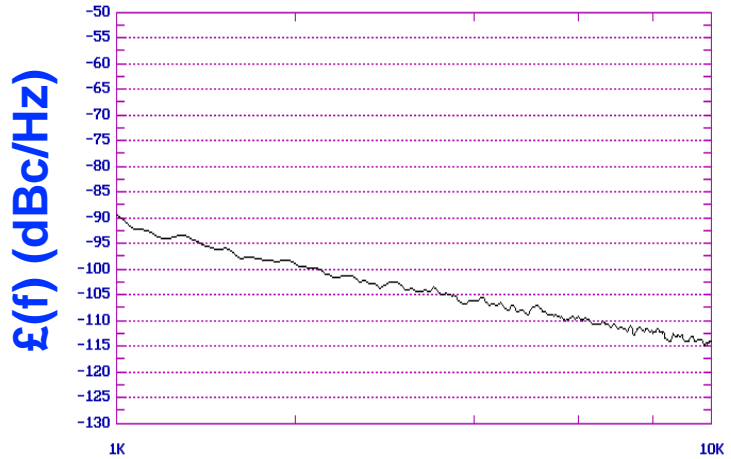




**PHASE NOISE (1 Hz BW, typical)**



| FEATURES  |
|---|
| <ul style="list-style-type: none"> <li>• Frequency Range: 936 - 953 MHz</li> <li>• Tuning Voltage: 0.5-4.5 Vdc</li> <li>• MINI-14S - Style Package</li> </ul> |
| APPLICATIONS  |
| <ul style="list-style-type: none"> <li>• Digital Radios</li> <li>• Satellite Communications</li> <li>• Pager Basestations</li> </ul>                          |

**OFFSET (Hz)**

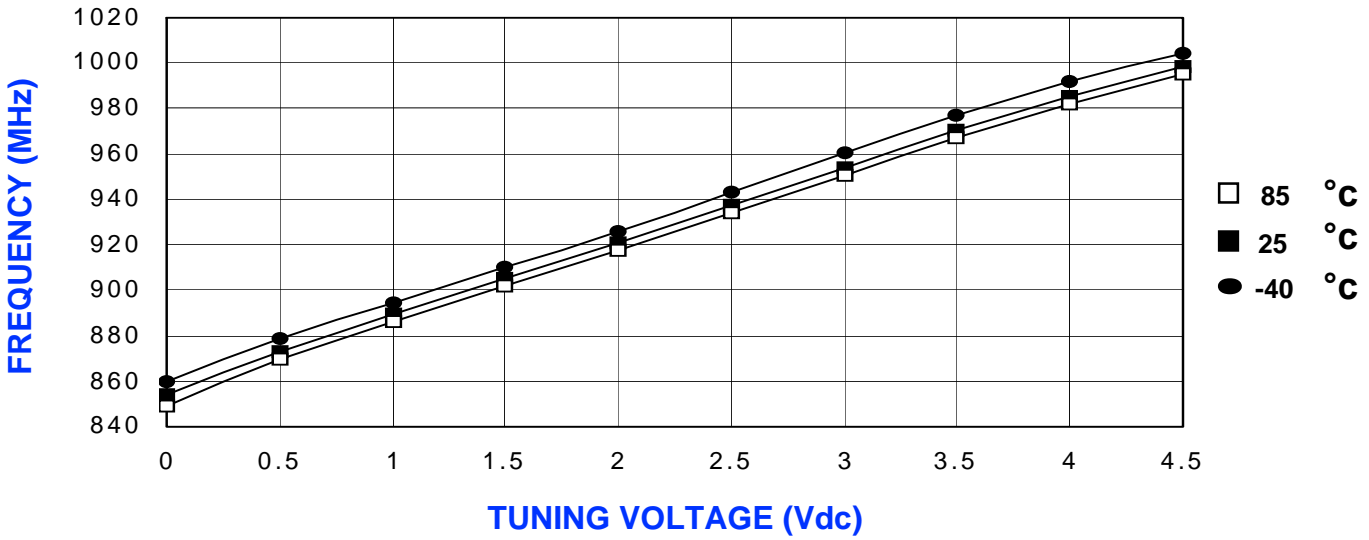
| PERFORMANCE SPECIFICATIONS                  | VALUE     | UNITS  |
|---|-----------|--------|
| Oscillation Frequency Range                 | 936 - 953 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -114      | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -19       | dBc    |
| Tuning Voltage                              | 0.5-4.5   | Vdc    |
| Tuning Sensitivity (avg.)                   | 33        | MHz/V  |
| Power Output                                | 3±2       | dBm    |
| Load Impedance                              | 50        | Ω      |
| Input Capacitance (max.)                    | 100       | pF     |
| Pushing                                     | <5        | MHz/V  |
| Pulling (14 dB Return Loss, Any Phase)      | <5        | MHz    |
| Operating Temperature Range                 | -40 to 85 | °C     |
| Package Style                               | MINI-14S  |        |
| 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.

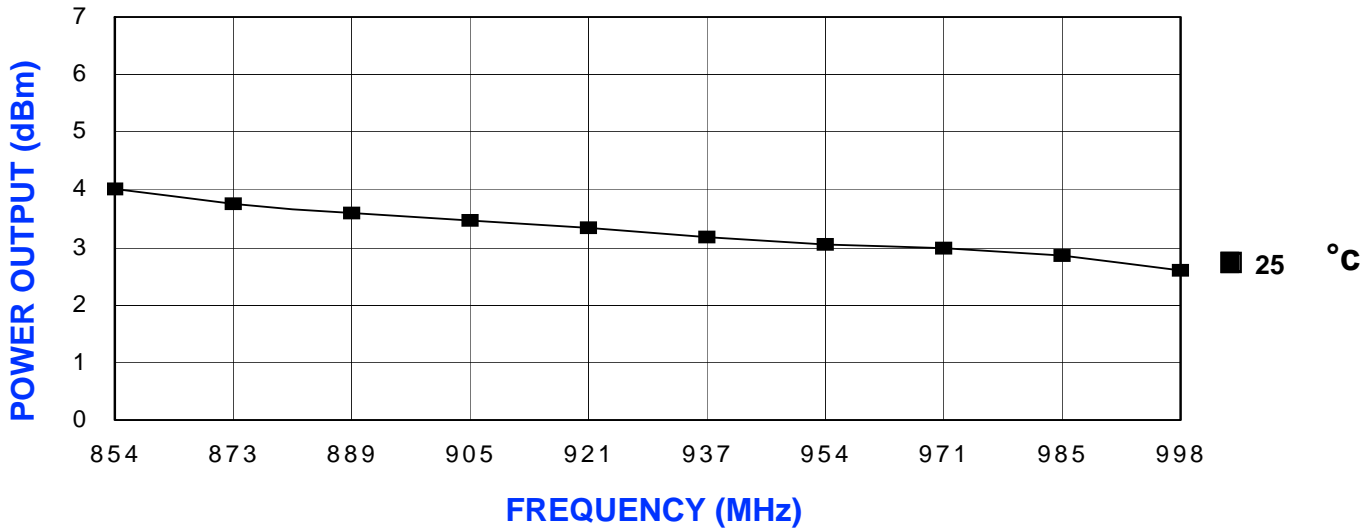
| APPLICATION NOTES   |
|---|
| <ul style="list-style-type: none"> <li>• AN-100/1 : Mounting and Grounding of VCOs</li> <li>• AN-102 : Proper Output Loading of VCOs</li> <li>• AN-107 : How to Solder Z-COMM VCOs</li> </ul> |

**NOTES:**

**TUNING CURVE, typ.**



**POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

