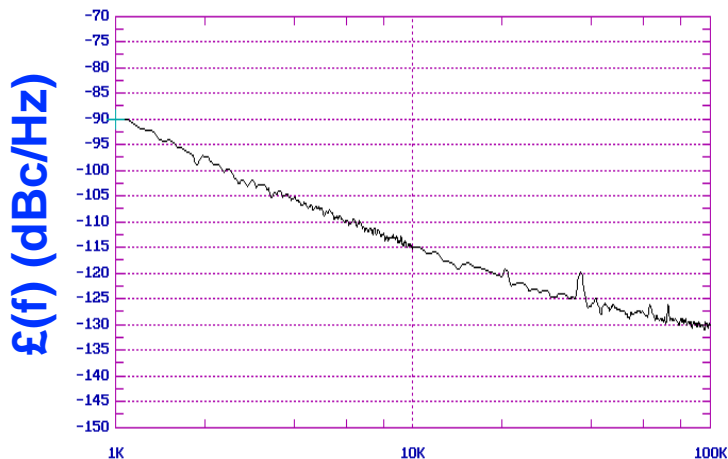




PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 865 - 1035 MHz
- Tuning Voltage: 1 - 10 Vdc
- MINI-14S - Style Package

APPLICATIONS

- Digital Radios
- Basestations
- Satellite Communications

OFFSET (Hz)

PERFORMANCE SPECIFICATIONS

| | VALUE | UNITS |
|---|------------|--------------|
| Oscillation Frequency Range | 865 - 1035 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -114 | dBc/Hz |
| Harmonic Suppression (2nd, typ.) | -15 | dBc |
| Tuning Voltage | 1 - 10 | Vdc |
| Tuning Sensitivity (avg.) | 30 | MHz/V |
| Power Output | 6.75±2.75 | dBm |
| Load Impedance | 50 | Ω |
| Input Capacitance (max.) | 100 | pF |
| Pushing | <1 | MHz/V |
| Pulling (14 dB Return Loss, Any Phase) | <3 | MHz |
| Operating Temperature Range | -40 to 85 | $^{\circ}$ C |
| Package Style | MINI-14S | |

POWER SUPPLY REQUIREMENTS

| | | |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 5 | Vdc |
| Supply Current (Icc, typ.) | 25 | mA |

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

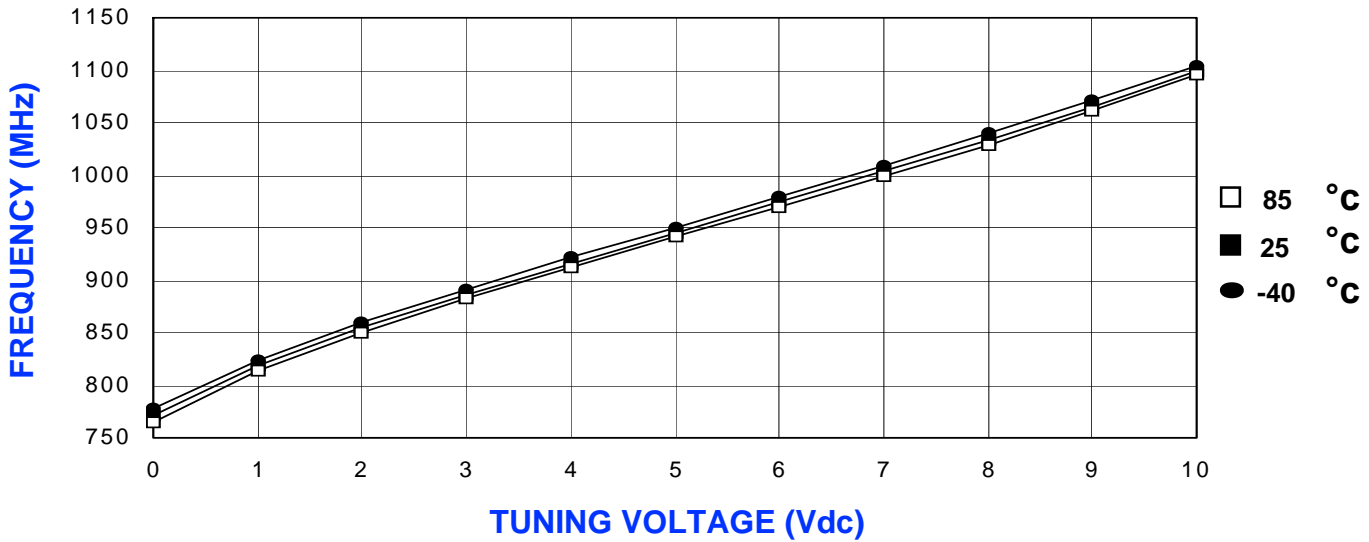
APPLICATION NOTES

- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

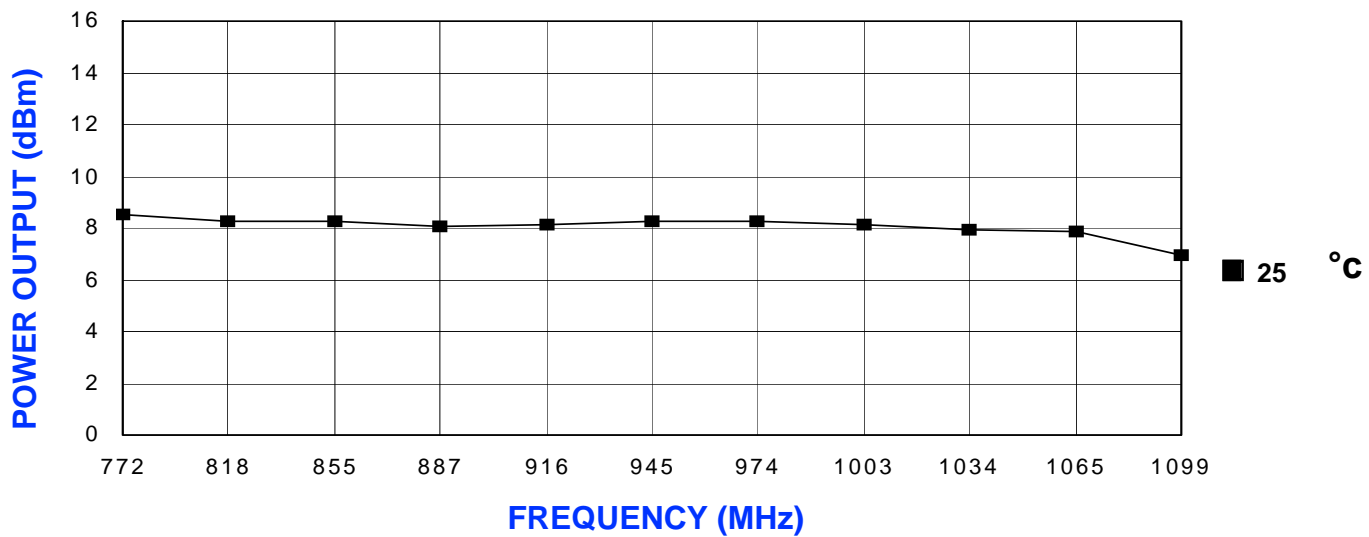
NOTES:

Phase Noise @ 1 kHz offset (1 Hz BW, typ.): -88dBc/Hz

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

