

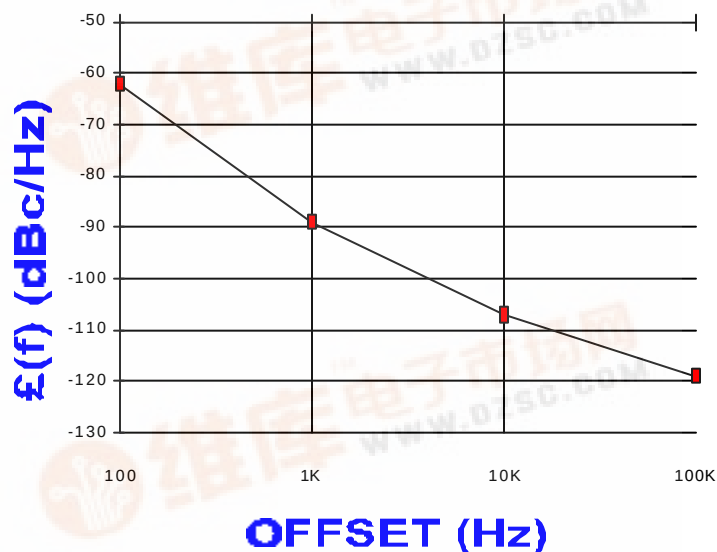
#### FEATURES

- Frequency Range: 38 - 41 MHz
- Tuning Voltage: 0-5 Vdc
- MINI-14H - Style Package

#### APPLICATIONS

- Digital Cordless Phones
- Portable Radios
- Test Instrumentation

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



#### PERFORMANCE SPECIFICATIONS

|                                             | VALUE     | UNITS  |
|---------------------------------------------|-----------|--------|
| Oscillation Frequency Range                 | 38 - 41   | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -108      | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -4        | dBc    |
| Tuning Voltage                              | 0-5       | Vdc    |
| Tuning Sensitivity (avg.)                   | 1.2       | MHz/V  |
| Power Output                                | 3.5±3.5   | dBm    |
| Load Impedance                              | 50        | Ω      |
| Input Capacitance (max.)                    | 1000      | pF     |
| Pushing                                     | <1        | MHz/V  |
| Pulling (14 dB Return Loss, Any Phase)      | <1        | MHz    |
| Operating Temperature Range                 | -30 to 85 | °C     |
| Package Style                               | MINI-14H  |        |

#### POWER SUPPLY REQUIREMENTS

|                            |    |     |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 5  | Vdc |
| Supply Current (Icc, typ.) | 18 | mA  |

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

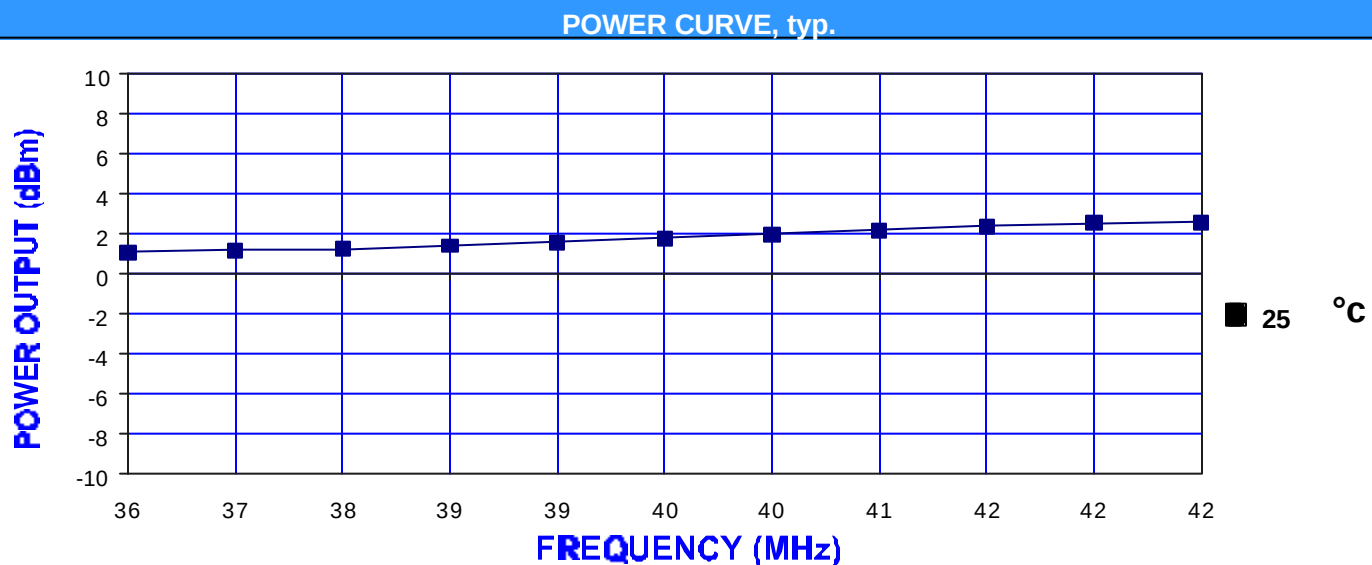
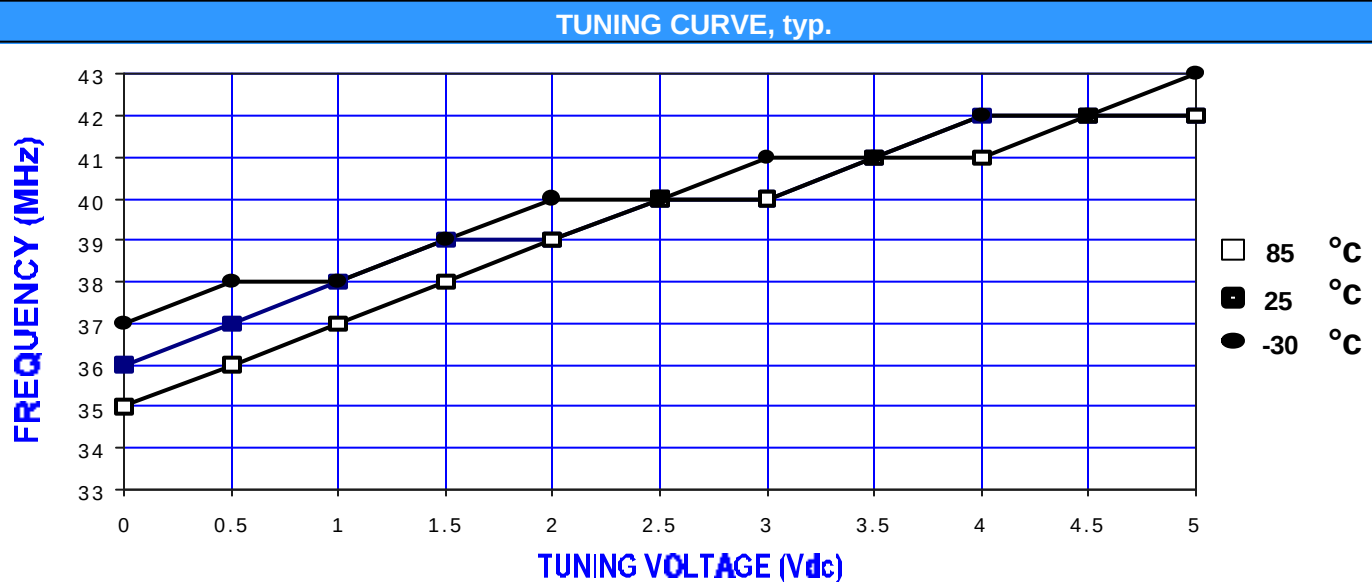
#### APPLICATION NOTES

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

#### NOTES:


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## PHYSICAL DIMENSIONS

