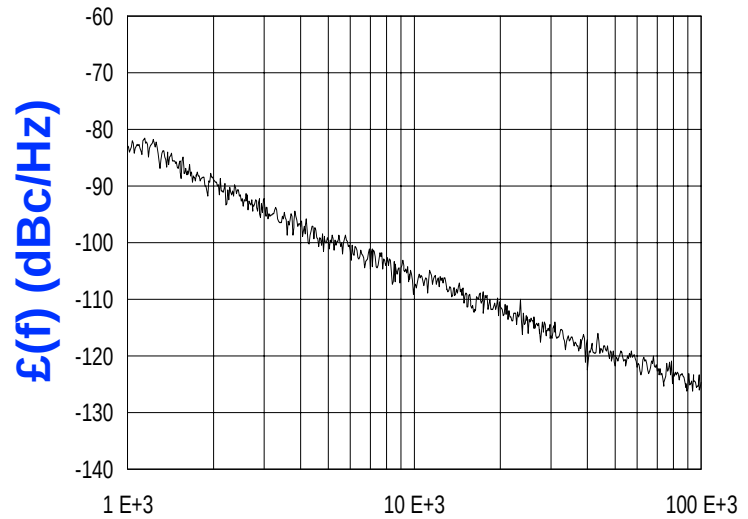




**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 3515 - 3720 MHz
- Tuning Voltage: 0.5-18 Vdc
- MINI-16 - Style Package

**APPLICATIONS**

- Point to Point Radio
- Fixed Wireless Equipment
- Satellite Communications

**PERFORMANCE SPECIFICATIONS**

|                                             | VALUE       | UNITS    |
|---------------------------------------------|-------------|----------|
| Oscillation Frequency Range                 | 3515 - 3720 | MHz      |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -108        | dBc/Hz   |
| Harmonic Suppression (2nd, typ.)            | -10         | dBc      |
| Tuning Voltage                              | 0.5-18      | Vdc      |
| Tuning Sensitivity (avg.)                   | 15          | MHz/V    |
| Power Output                                | 0.5±3.5     | dBm      |
| Load Impedance                              | 50          | $\Omega$ |
| Input Capacitance (max.)                    | 50          | pF       |
| Pushing                                     | <3          | MHz/V    |
| Pulling (14 dB Return Loss, Any Phase)      | <0.5        | MHz      |
| Operating Temperature Range                 | -40 to 85   | °C       |
| Package Style                               | MINI-16     |          |

**POWER SUPPLY REQUIREMENTS**

|                            |    |     |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 8  | Vdc |
| Supply Current (Icc, typ.) | 30 | mA  |

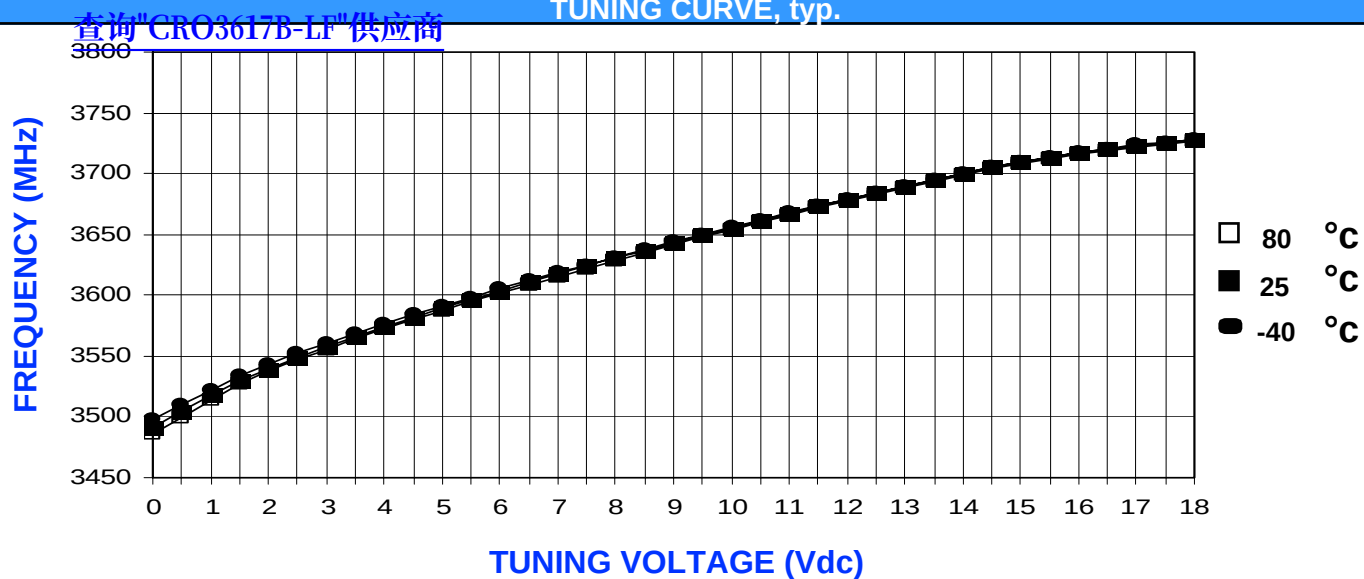
All specifications are typical unless otherwise noted and subject to change without notice.

**APPLICATION NOTES**

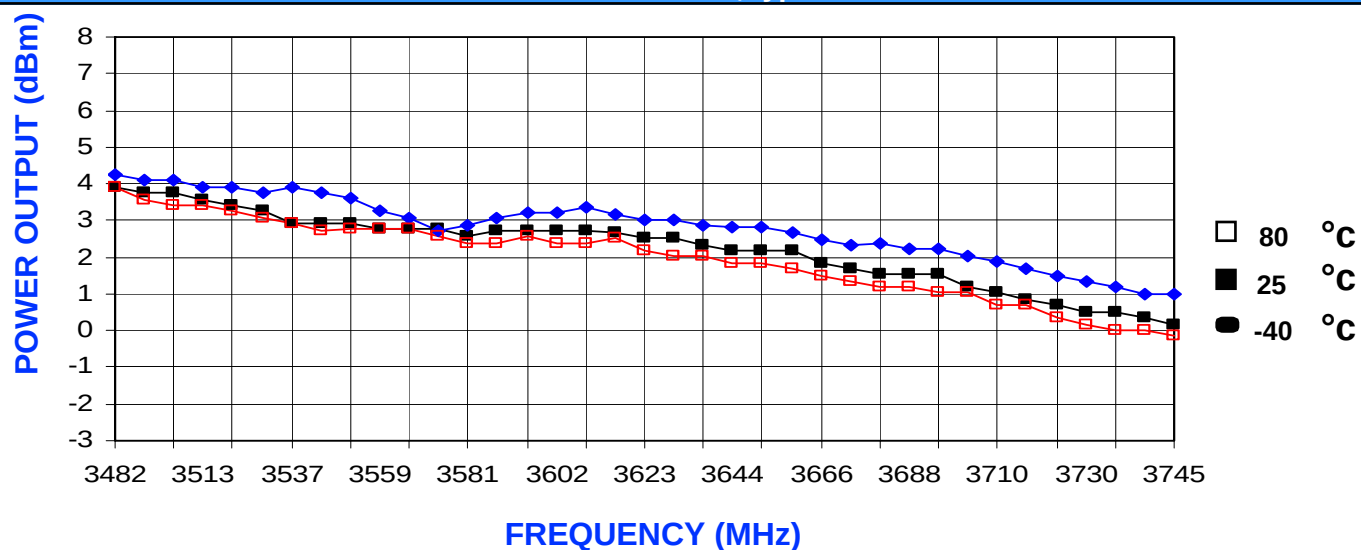
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

**NOTES:**

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

