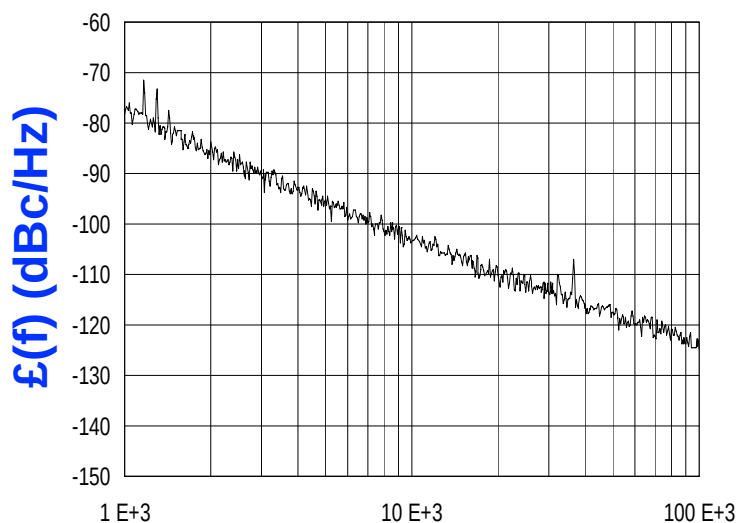




**PHASE NOISE (1 Hz BW, typical)**



**OFFSET (Hz)**

**FEATURES**

- Frequency Range: 1420 - 1810 MHz
- Tuning Voltage: 1-18 Vdc
- MINI-14S-L - Style Package

**APPLICATIONS**

- CATV Headend
- Test Equipment
- Downconvertors

| PERFORMANCE SPECIFICATIONS                  | VALUE       | UNITS    |
|---------------------------------------------|-------------|----------|
| Oscillation Frequency Range                 | 1420 - 1810 | MHz      |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -102        | dBc/Hz   |
| Harmonic Suppression (2nd, typ.)            | -15         | dBc      |
| Tuning Voltage                              | 1-18        | Vdc      |
| Tuning Sensitivity (avg.)                   | 40          | MHz/V    |
| Power Output                                | 5±2         | dBm      |
| Load Impedance                              | 50          | $\Omega$ |
| Input Capacitance (max.)                    | 100         | pF       |
| Pushing                                     | <4          | MHz/V    |
| Pulling ( 14dB Return Loss, Any Phase)      | <8          | MHz      |
| Operating Temperature Range                 | -40 to 85   | °C       |
| Package Style                               | MINI-14S-L  |          |
| POWER SUPPLY REQUIREMENTS                   |             |          |
| Supply Voltage (Vcc, nom.)                  | 10          | Vdc      |
| Supply Current (Icc, typ.)                  | 15          | mA       |

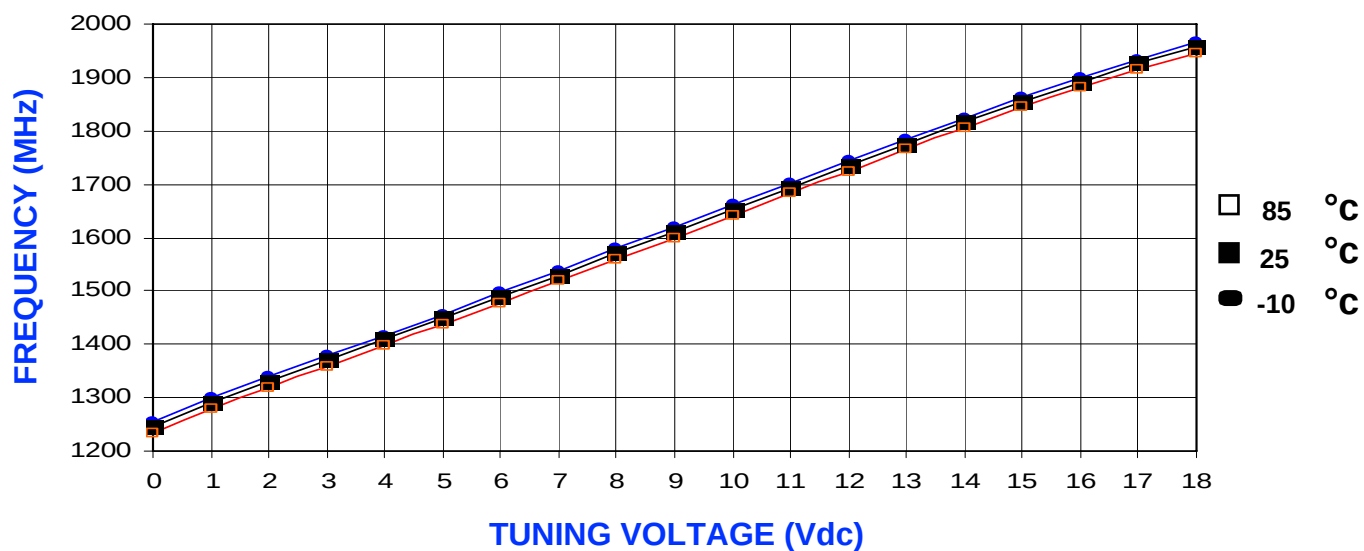
All specifications are typical unless otherwise noted and subject to change without notice.

**APPLICATION NOTES**

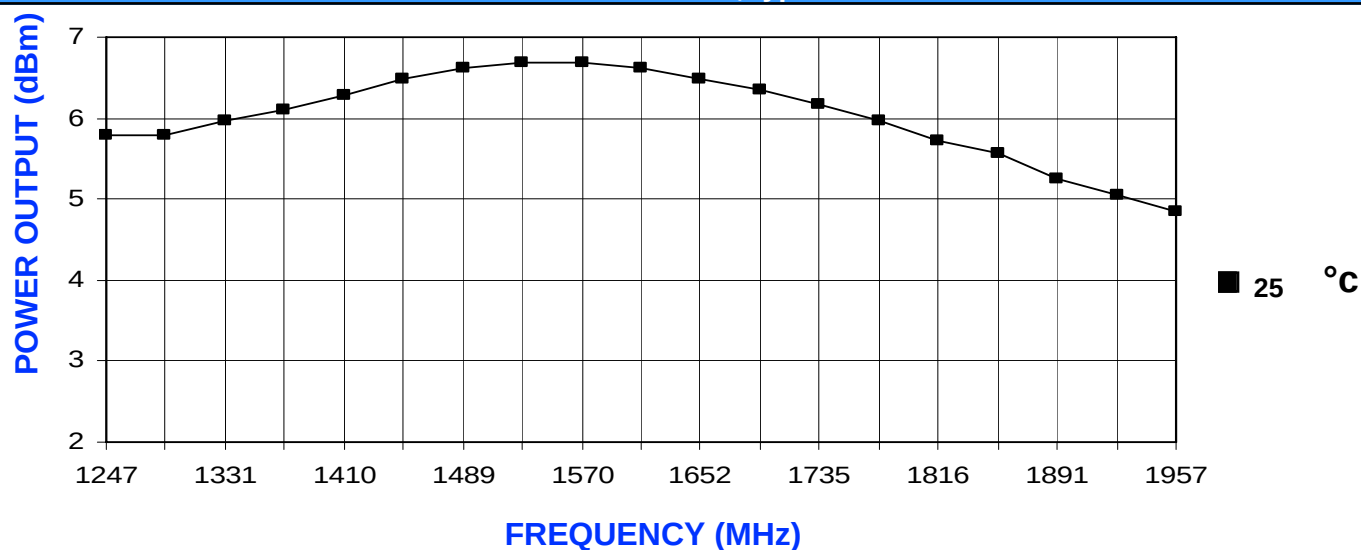
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

**NOTES:**

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

