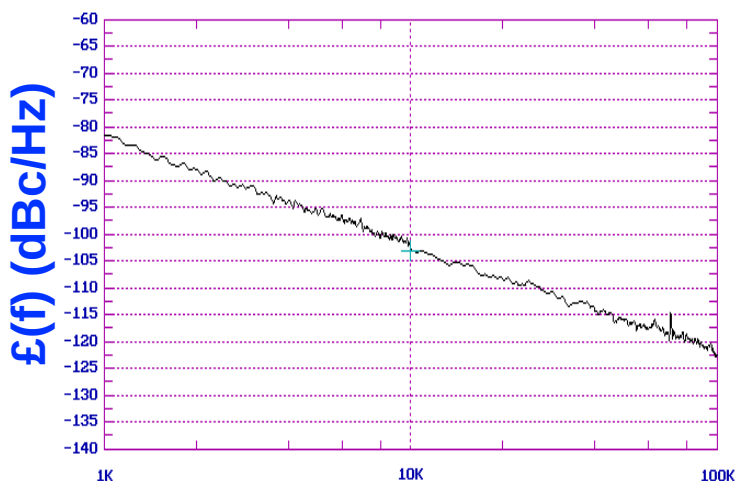




### PHASE NOISE (1 Hz BW, typical)



#### FEATURES

- Frequency Range: 350 - 700 MHz
- Tuning Voltage: 0-10 Vdc
- MINI-14S - Style Package

#### APPLICATIONS

- CATV
- Sattelite Modems
- Earthstations

| PERFORMANCE SPECIFICATIONS                  | VALUE     | UNITS  |
|---------------------------------------------|-----------|--------|
| Oscillation Frequency Range                 | 350 - 700 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -99       | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -5        | dBc    |
| Tuning Voltage                              | 0-10      | Vdc    |
| Tuning Sensitivity (avg.)                   | 46        | MHz/V  |
| Power Output                                | 5±4       | dBm    |
| Load Impedance                              | 50        | Ω      |
| Input Capacitance (max.)                    | 150       | pF     |
| Pushing                                     | <4        | MHz/V  |
| Pulling ( 14dB Return Loss, Any Phase)      | <2        | 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.)                  | 16        | mA     |

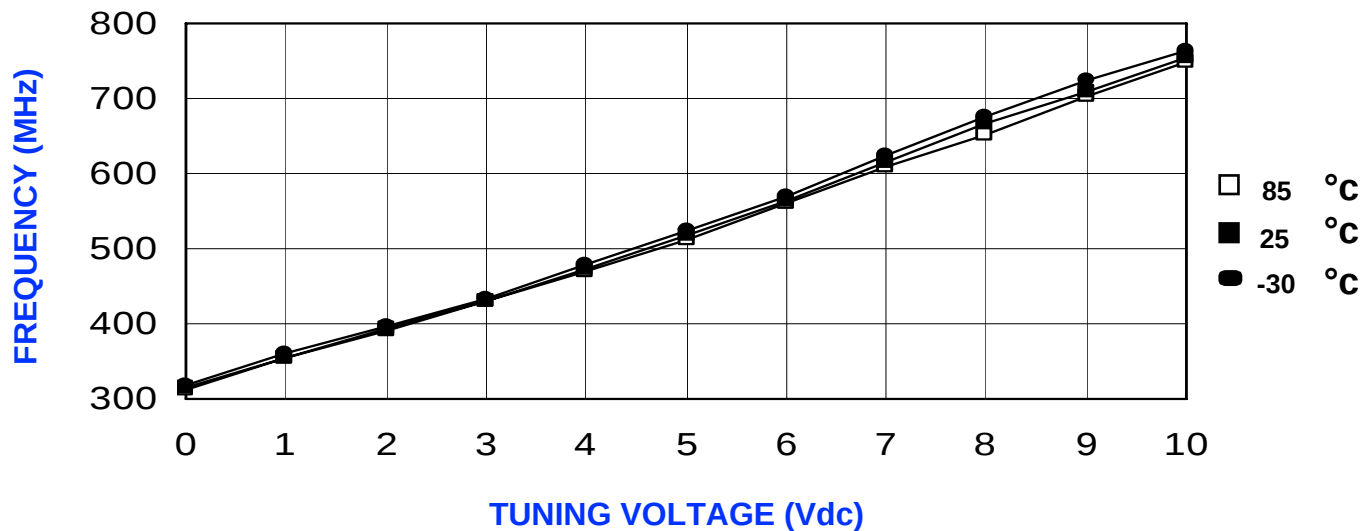
All specifications are typical unless otherwise noted and subject to change without notice.

#### APPLICATION NOTES

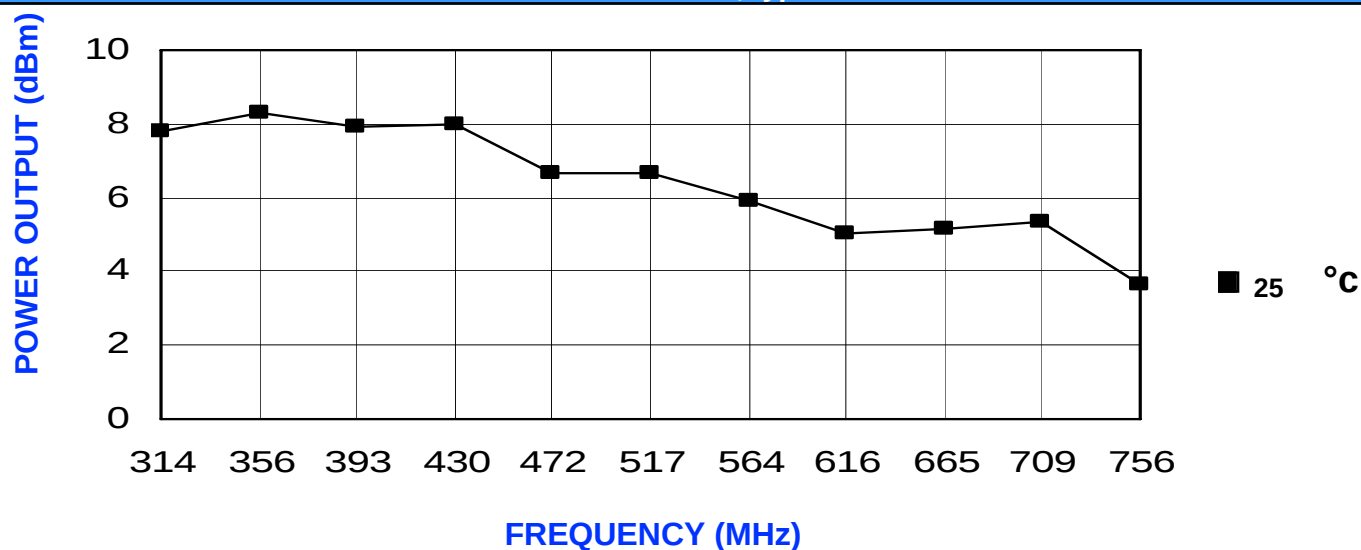
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

#### NOTES:

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

