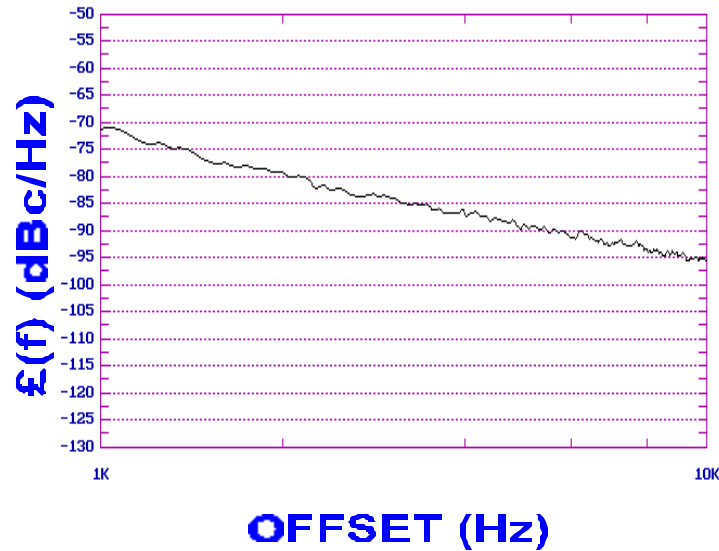


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 2800 - 2870 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-14H - Style Package

**APPLICATIONS**

- WLAN
- Digital Radios
- Earthstations

| PERFORMANCE SPECIFICATIONS | VALUE | UNITS |
|----------------------------|-------|-------|
|----------------------------|-------|-------|

|   |             |        |
|---|-------------|--------|
| Oscillation Frequency Range                 | 2800 - 2870 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -94         | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -13         | dBc    |
| Tuning Voltage                              | 0.5-4.5     | Vdc    |
| Tuning Sensitivity (avg.)                   | 65          | MHz/V  |
| Power Output                                | 6.25±3.25   | dBm    |
| Load Impedance                              | 50          | Ω      |
| Input Capacitance (max.)                    | 50          | pF     |
| Pushing                                     | <10         | MHz/V  |
| Pulling (14 dB Return Loss, Any Phase)      | <30         | MHz    |
| Operating Temperature Range                 | -40 to 85   | °C     |
| Package Style                               | MINI-14H    |        |

**POWER SUPPLY REQUIREMENTS**

|                            |     |     |
|----------------------------|-----|-----|
| Supply Voltage (Vcc, nom.) | 4.5 | Vdc |
|----------------------------|-----|-----|

Supply Voltage (Vcc, nom.)

4.5

vdc

Supply Current (Icc, typ.)

15

mA

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

### APPLICATION NOTES

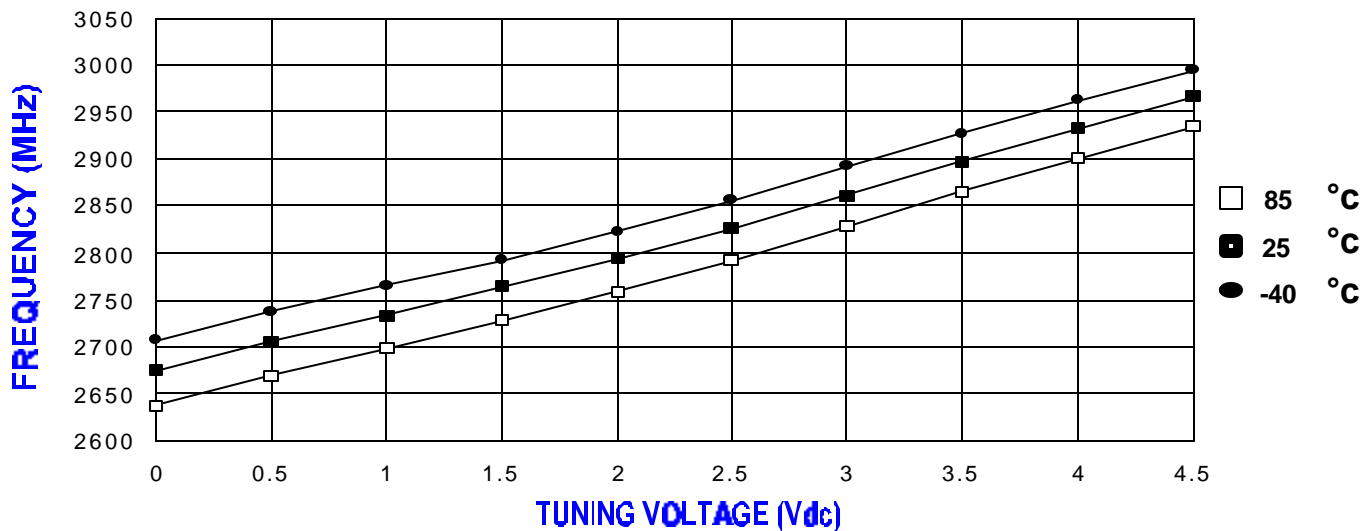
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

### NOTES:

## LOW COST - HIGH PERFORMANCE VOLTAGE CONTROLLED OSCILLATOR

## V630ME10 PAGE 2

### TUNING CURVE, typ.



### POWER CURVE, typ.

