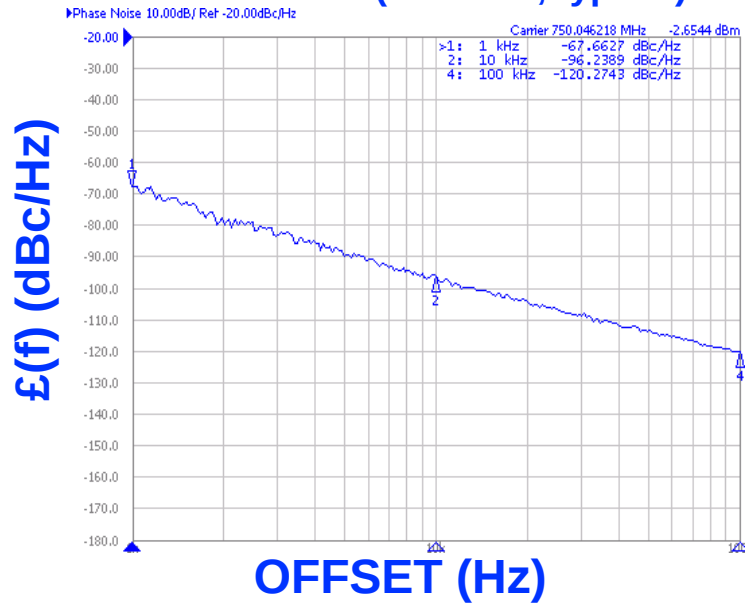




### PHASE NOISE (1 Hz BW, typical)



#### FEATURES

- Frequency Range: 500 - 1000 MHz
- Tuning Voltage: 0.8-13.5 Vdc
- MINI-16 - Style Package

#### APPLICATIONS

- Mobitex Radios
- RF Modems
- Satellite Communications

#### PERFORMANCE SPECIFICATIONS

|                                             | VALUE      | UNITS  |
|---------------------------------------------|------------|--------|
| Oscillation Frequency Range                 | 500 - 1000 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -94        | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -40        | dBc    |
| Tuning Voltage                              | 0.8-13.5   | Vdc    |
| Tuning Sensitivity (avg.)                   | 46         | MHz/V  |
| Power Output                                | 2±4        | dBm    |
| Load Impedance                              | 50         | Ω      |
| Input Capacitance (max.)                    | 150        | pF     |
| Pushing                                     | <3         | MHz/V  |
| Pulling ( 14dB Return Loss, Any Phase)      | <2         | MHz    |
| Operating Temperature Range                 | -40 to 85  | °C     |
| Package Style                               | MINI-16    |        |

#### POWER SUPPLY REQUIREMENTS

|                            |    |     |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 12 | Vdc |
| Supply Current (Icc, typ.) | 21 | mA  |

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

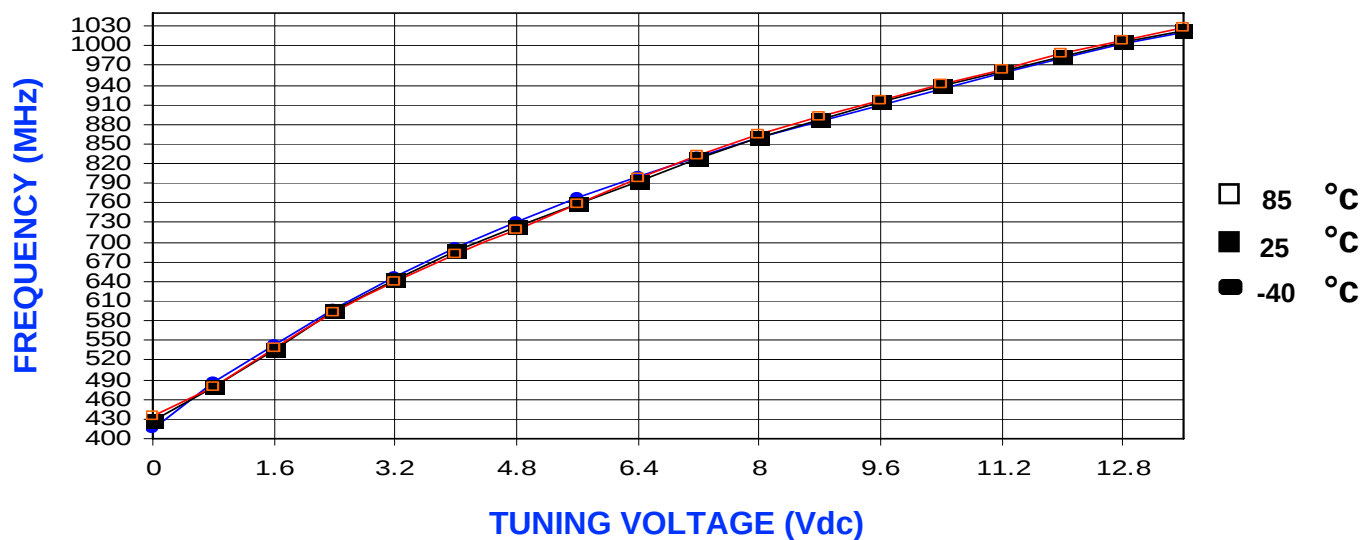
#### APPLICATION NOTES

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

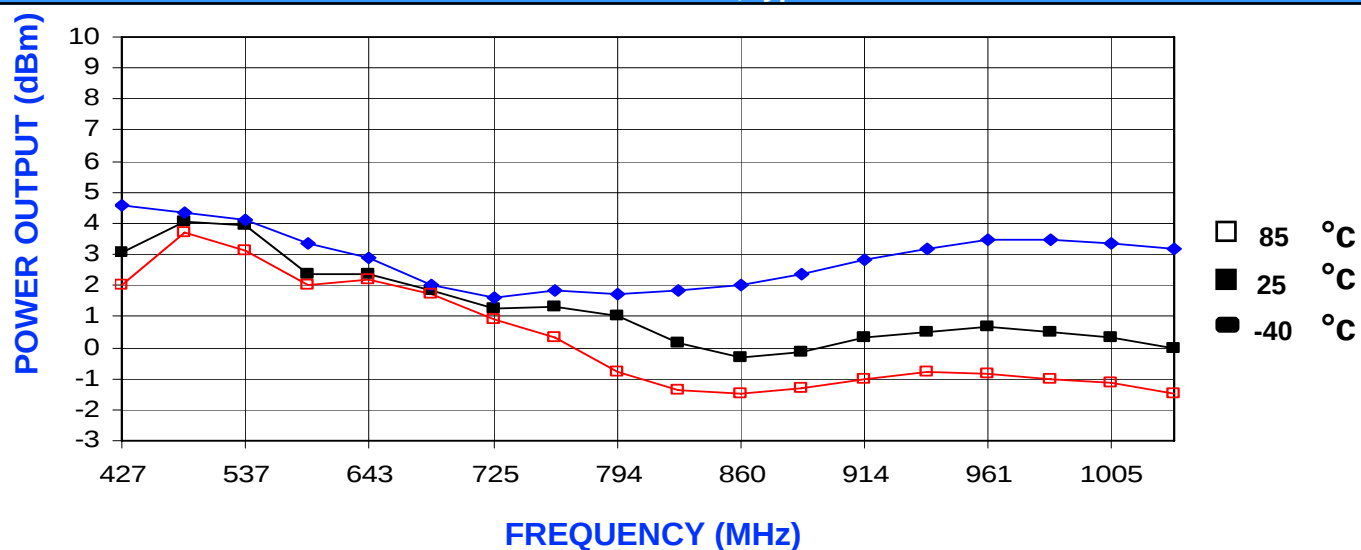
#### NOTES:

This is a new datasheet for this part with its current phase noise.

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

