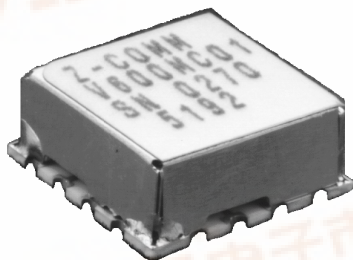


## V581ME01

### VOLTAGE CONTROLLED OSCILLATOR

Rev B2



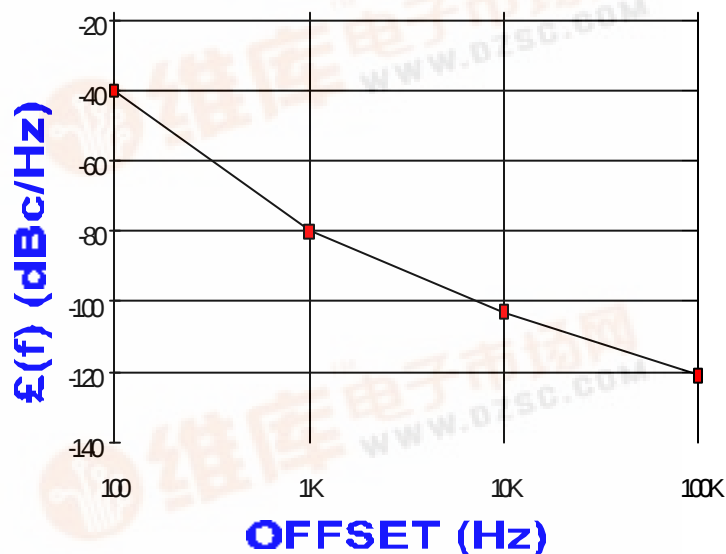
#### FEATURES

- Frequency Range: 951 - 977 MHz
- Tuning Voltage: 0-5 Vdc
- MINI-16 - Style Package

#### APPLICATIONS

- Basestations
- Portable Radios
- RF Modems

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



#### PERFORMANCE SPECIFICATIONS

|                                             | VALUE     | UNITS  |
|---------------------------------------------|-----------|--------|
| Oscillation Frequency Range                 | 951 - 977 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -103      | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -5        | dBc    |
| Tuning Voltage                              | 0-5       | Vdc    |
| Tuning Sensitivity (avg.)                   | 19        | MHz/V  |
| Power Output                                | 7±2       | dBm    |
| Load Impedance                              | 50        | Ω      |
| Input Capacitance (max.)                    | 50        | pF     |
| Pushing                                     | <5        | MHz/V  |
| Pulling (14 dB Return Loss, Any Phase)      | <10       | MHz    |
| Operating Temperature Range                 | -40 to 85 | °C     |
| Package Style                               | MINI-16   |        |

#### POWER SUPPLY REQUIREMENTS

|                            |    |     |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 5  | Vdc |
| Supply Current (Icc, typ.) | 15 | mA  |

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

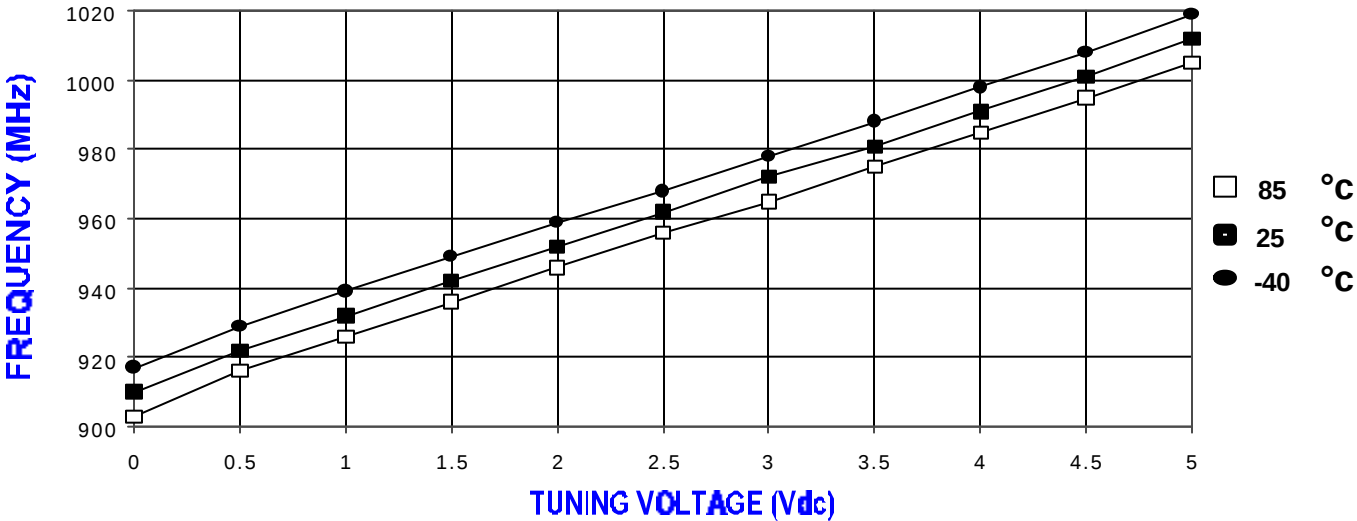
#### APPLICATION NOTES

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

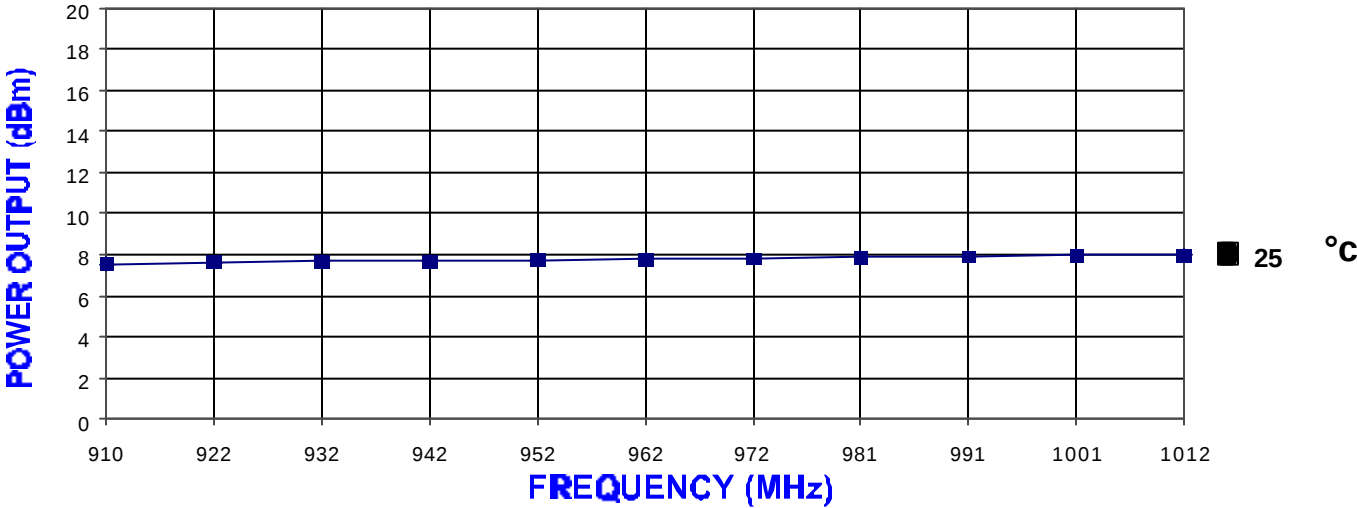
#### NOTES:


 维库一下  
 pdf.dzsc.com

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

MINI-16  
415-0061 REV. B  
(DRAWING NOT TO SCALE)

