



查询V285ME01-LF供应商

**Z-Communications, Inc.**

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捷多邦，专业PCB打样工厂 24小时加急出货

**V285ME01-LF**

**VOLTAGE CONTROLLED OSCILLATOR**

Rev D4



## PHASE NOISE (1 Hz BW, typical)



### FEATURES

- Frequency Range: 270 - 300 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-14S - Style Package

### APPLICATIONS

- Satellite Modems
- Mobile Radios
- Earthstations

### PERFORMANCE SPECIFICATIONS

| PERFORMANCE SPECIFICATIONS                  | VALUE     | UNITS    |
|---------------------------------------------|-----------|----------|
| Oscillation Frequency Range                 | 270 - 300 | MHz      |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -109      | dBc/Hz   |
| Harmonic Suppression (2nd, typ.)            | -10       | dBc      |
| Tuning Voltage                              | 0.5-4.5   | Vdc      |
| Tuning Sensitivity (avg.)                   | 20        | MHz/V    |
| Power Output                                | 7.5±2.5   | dBm      |
| Load Impedance                              | 50        | $\Omega$ |
| Input Capacitance (max.)                    | 200       | pF       |
| Pushing                                     | <3        | MHz/V    |
| Pulling ( 14dB Return Loss, Any Phase)      | <1        | 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.)                  | 22        | mA       |

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

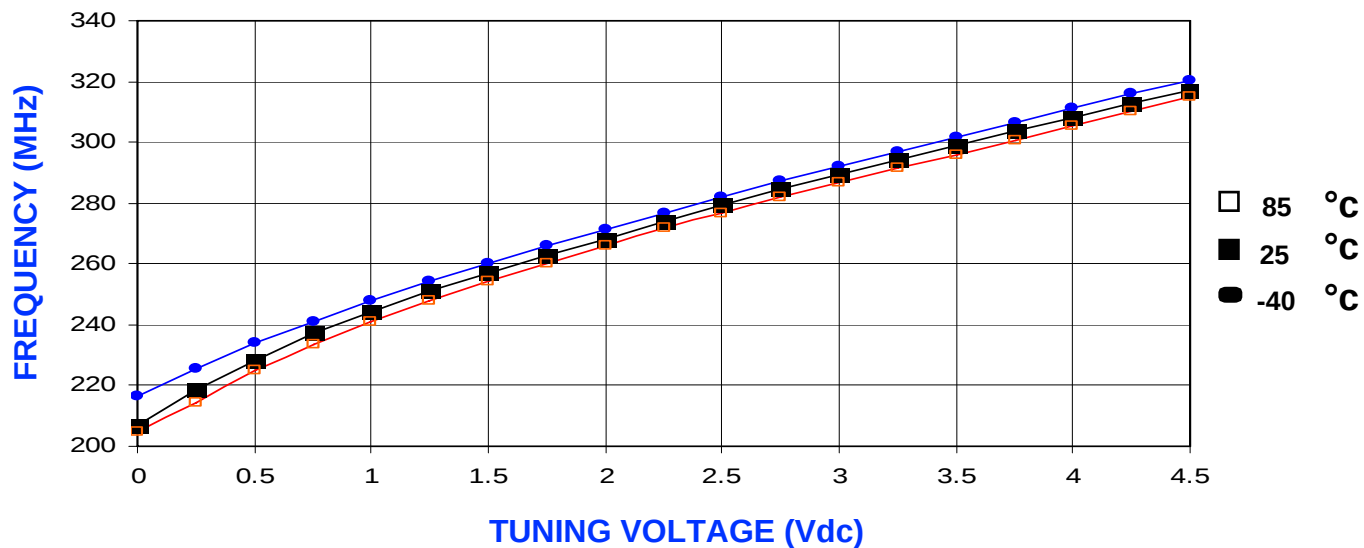
### APPLICATION NOTES

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

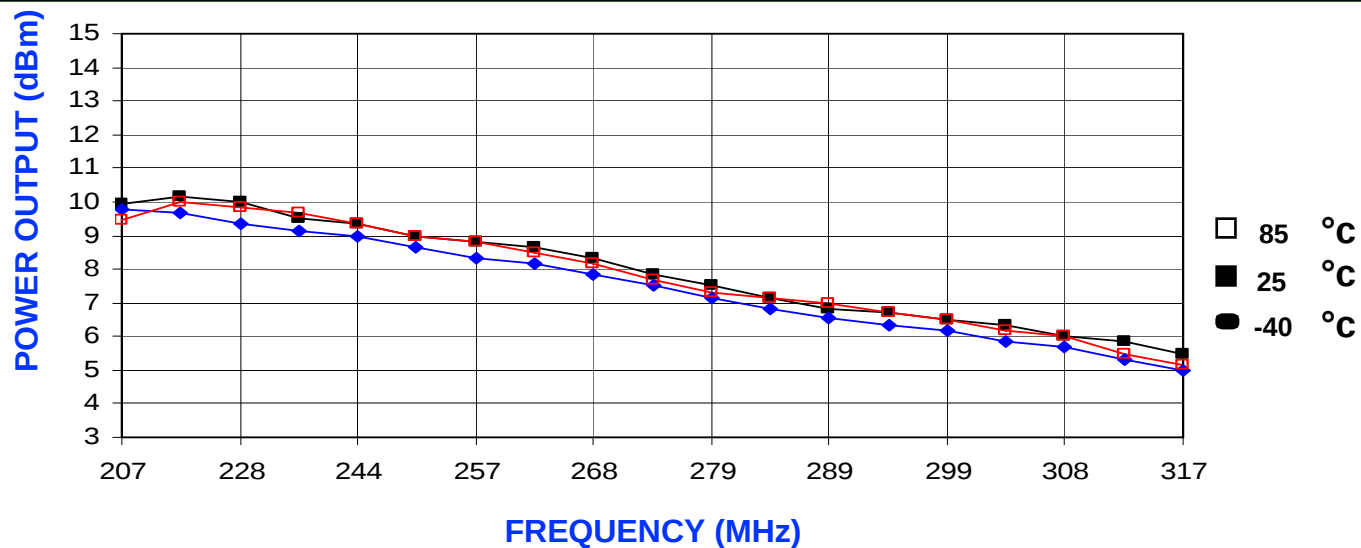
### NOTES:



TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

