



查询CLV1585E-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

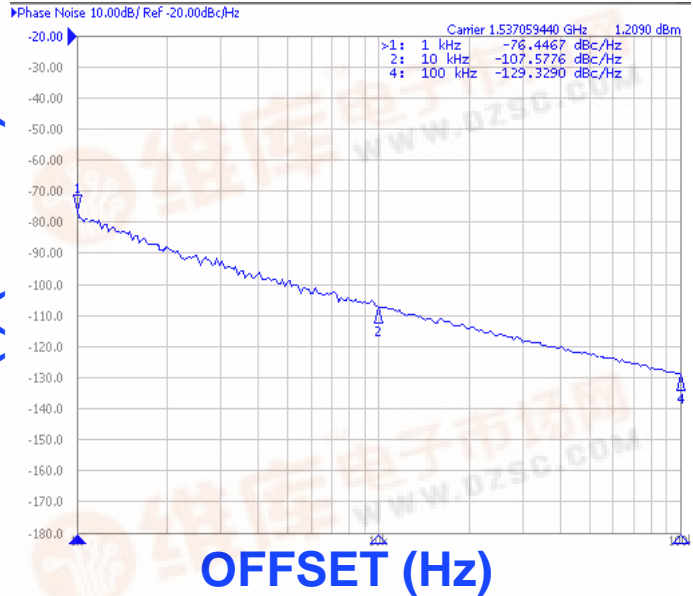
**CLV1585E-LF**

**VOLTAGE CONTROLLED OSCILLATOR**

Rev A1



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



**FEATURES**

- Frequency Range: 1487 - 1587 MHz
- Tuning Voltage: 0.25-4.5 Vdc
- MINI-14S-L - Style Package

**APPLICATIONS**

- Digital Radios
- Basestations
- Radar

**PERFORMANCE SPECIFICATIONS**

| PERFORMANCE SPECIFICATIONS                  | VALUE       | UNITS  |
|---|-------------|--------|
| Oscillation Frequency Range                 | 1487 - 1587 | MHz    |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -108        | dBc/Hz |
| Harmonic Suppression (2nd, typ.)            | -17         | dBc    |
| Tuning Voltage                              | 0.25-4.5    | Vdc    |
| Tuning Sensitivity (avg.)                   | 36          | MHz/V  |
| Power Output                                | 6.5±2.5     | dBm    |
| Load Impedance                              | 50          | Ω      |
| Input Capacitance (max.)                    | 100         | pF     |
| Pushing                                     | <2          | MHz/V  |
| Pulling ( 14dB Return Loss, Any Phase)      | <3          | MHz    |
| Operating Temperature Range                 | -40 to 85   | °C     |
| Package Style                               | MINI-14S-L  |        |

**POWER SUPPLY REQUIREMENTS**

|                            |    |     |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 5  | Vdc |
| Supply Current (Icc, typ.) | 24 | mA  |

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

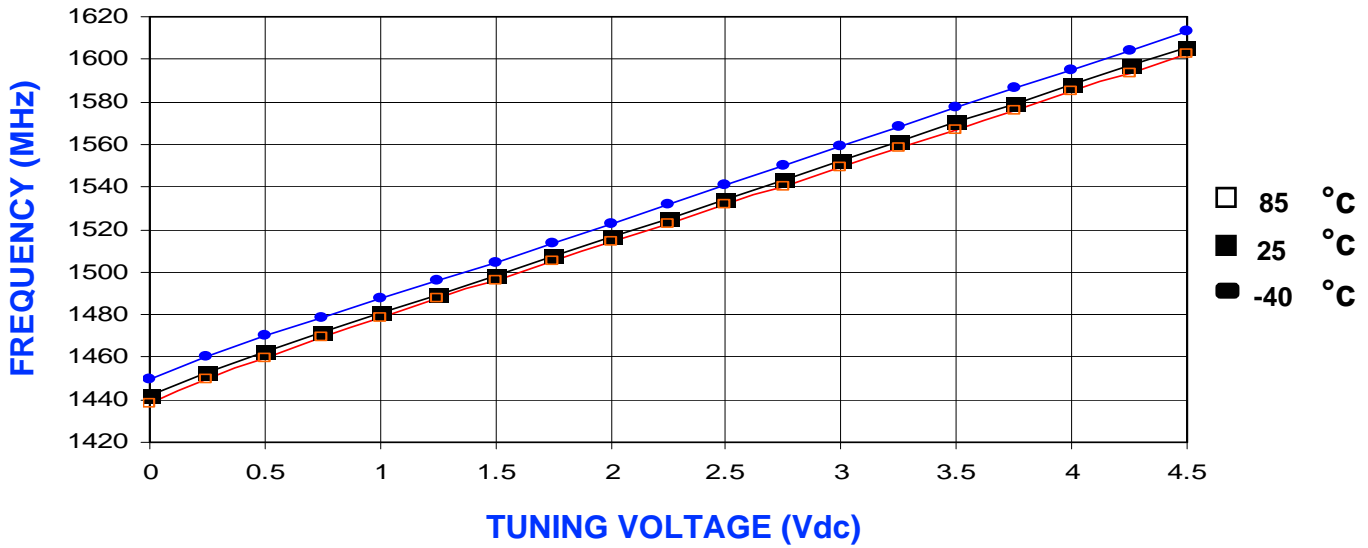
**APPLICATION NOTES**

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

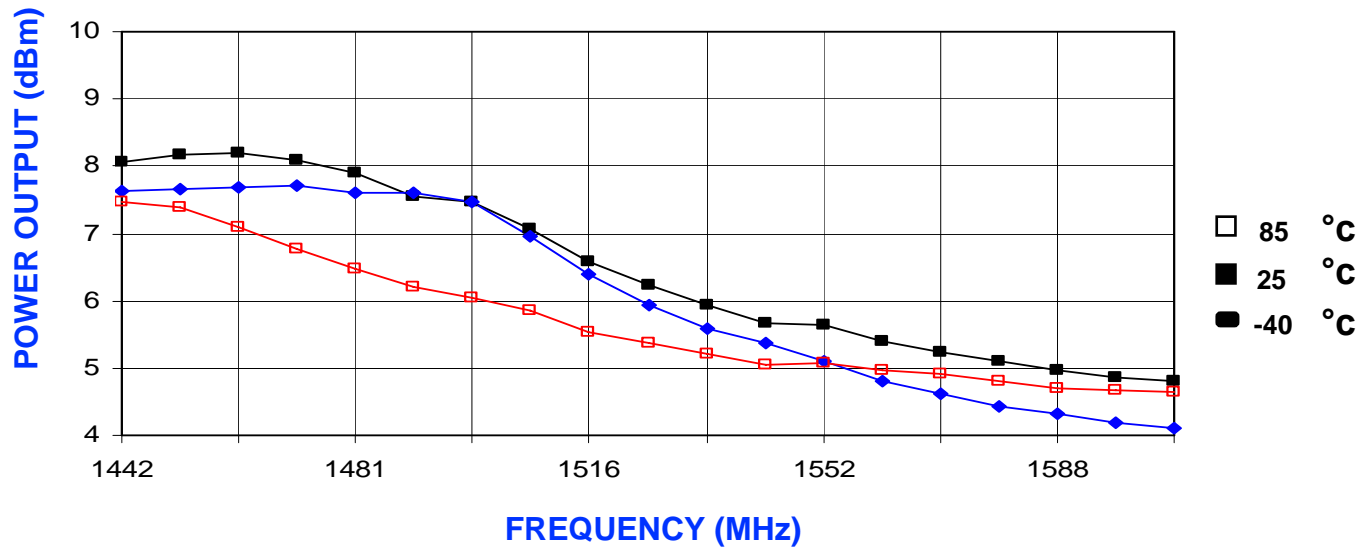
**NOTES:**



TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

