



查询CLV1015E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

**CLV1015E**

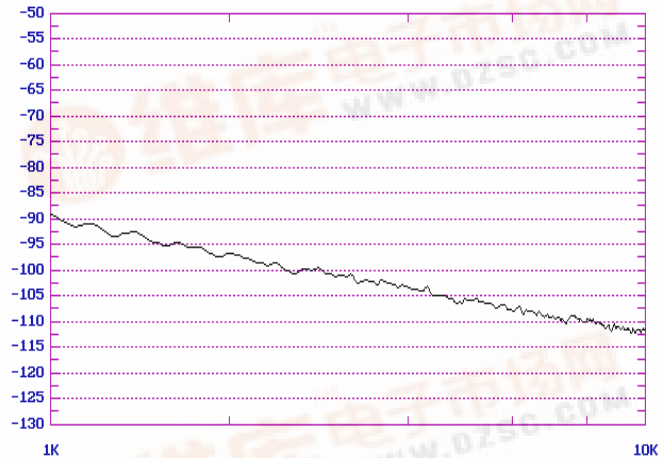
**VOLTAGE CONTROLLED OSCILLATOR**

Rev A1



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

$L(f)$  (dBc/Hz)



### OFFSET (Hz)

#### FEATURES

- Frequency Range: 995 - 1032 MHz
- Tuning Voltage: 0.6-5 Vdc
- MINI-14S - Style Package

#### APPLICATIONS

- Data Transmitter
- Digital Radios
- Satellite Communications

#### PERFORMANCE SPECIFICATIONS

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	995 - 1032	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-111	dBc/Hz
Harmonic Suppression (2nd, typ.)	-30	dBc
Tuning Voltage	0.6-5	Vdc
Tuning Sensitivity (avg.)	19	MHz/V
Power Output	-3±2	dBm
Load Impedance	50	$\Omega$
Input Capacitance (max.)	100	pF
Pushing	<1	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<2	MHz
Operating Temperature Range	-40 to 85	$^{\circ}\text{C}$
Package Style	MINI-14S	

#### POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	4.5	Vdc
Supply Current (Icc, typ.)	10	mA

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

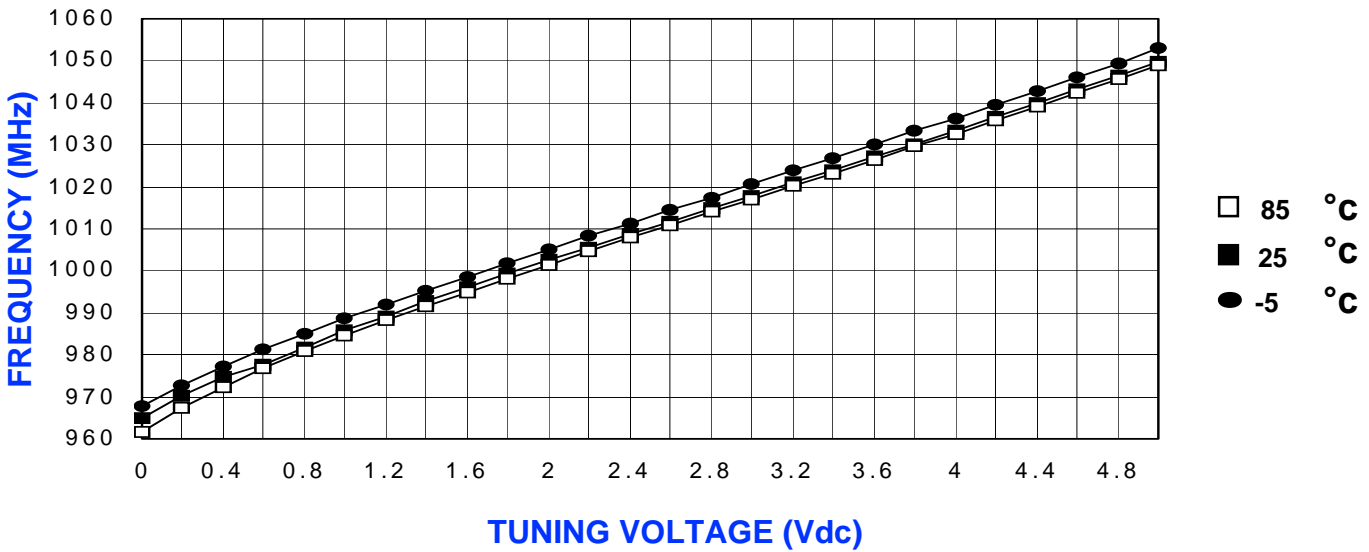
#### APPLICATION NOTES

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

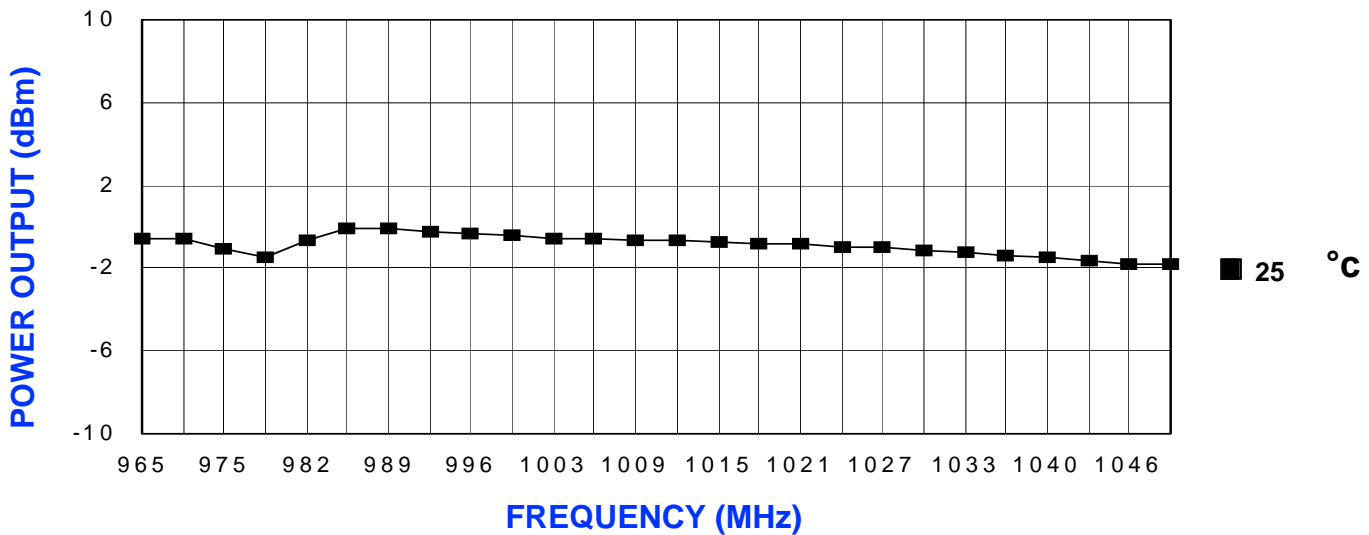
#### NOTES:



**TUNING CURVE, typ.**



**POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

