



查询CLV0950E-LF供应商
Z-Communications, Inc.

9939 Via Pasar • San Diego, CA 92126
TEL (858) 621-2700 FAX (858) 621-2722

捷多邦, 专业PCB打样工厂, 24小时加急出货

CLV0950E-LF

VOLTAGE CONTROLLED OSCILLATOR

Rev A1



FEATURES

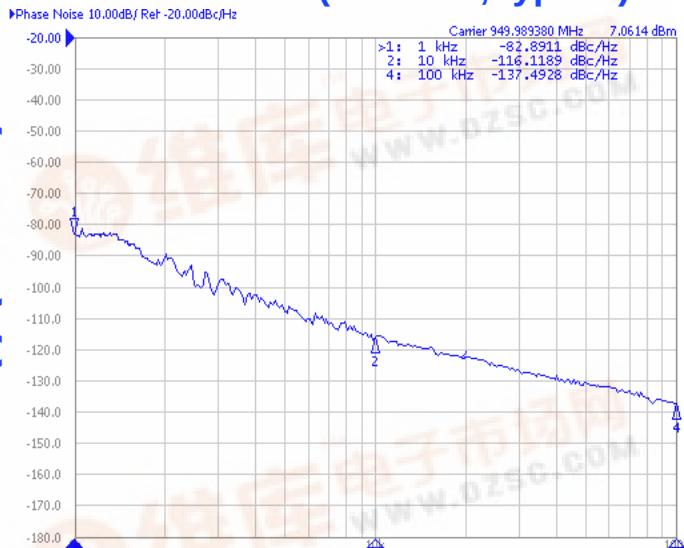
- Frequency Range: 865 - 1035 MHz
- Tuning Voltage: 1 - 10 Vdc
- MINI-14S - Style Package

APPLICATIONS

- Digital Radios
- Basestations
- Satellite Communications

$L(f)$ (dBc/Hz)

PHASE NOISE (1 Hz BW, typical)



OFFSET (Hz)

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	865 - 1035	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-114	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Tuning Voltage	1 - 10	Vdc
Tuning Sensitivity (avg.)	30	MHz/V
Power Output	7±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	100	pF
Pushing	<2	MHz/V
Pulling (12dB 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.)	5	Vdc
Supply Current (Icc, typ.)	24	mA

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

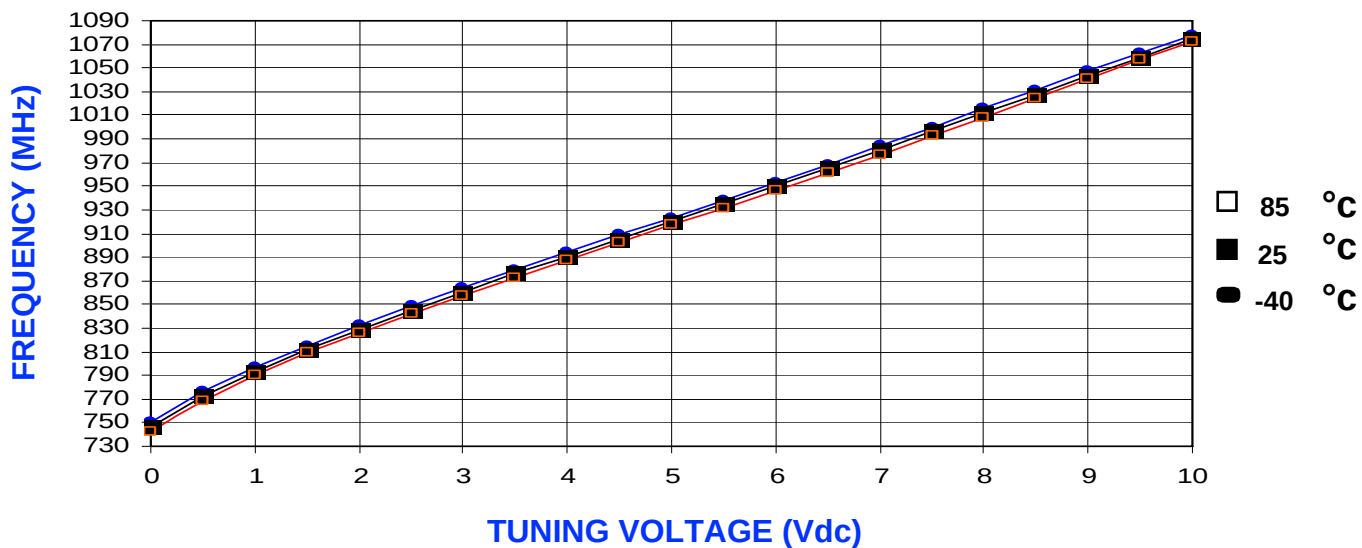
APPLICATION NOTES

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

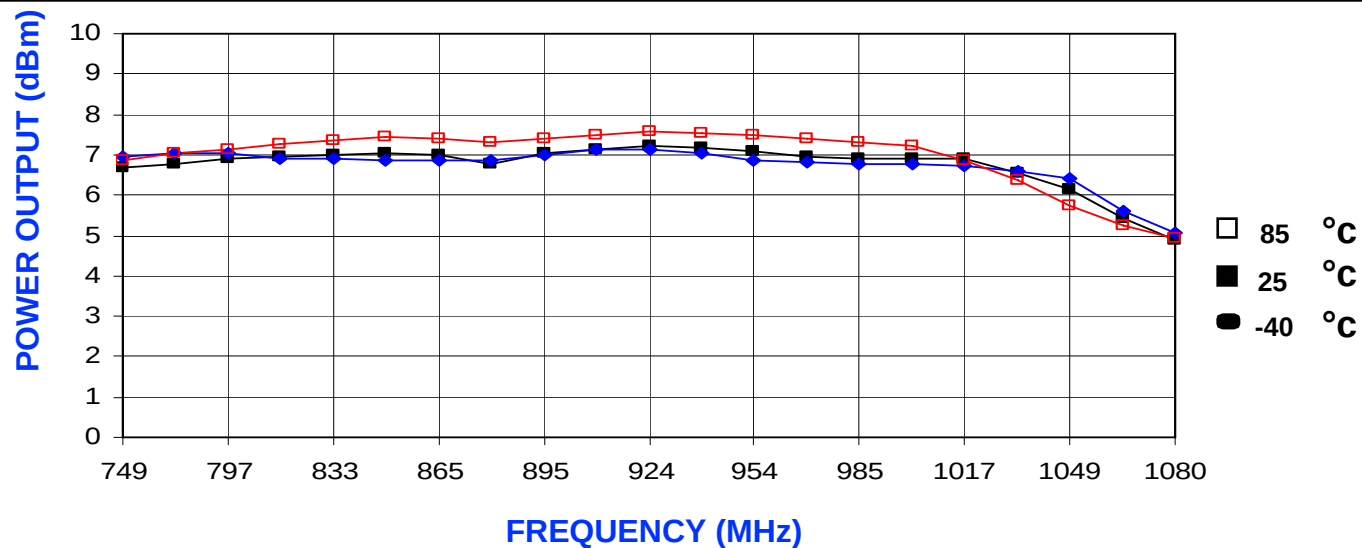
NOTES:

Phase Noise @ 1 kHz offset (1 Hz BW, typ.): -88dBc/Hz

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

