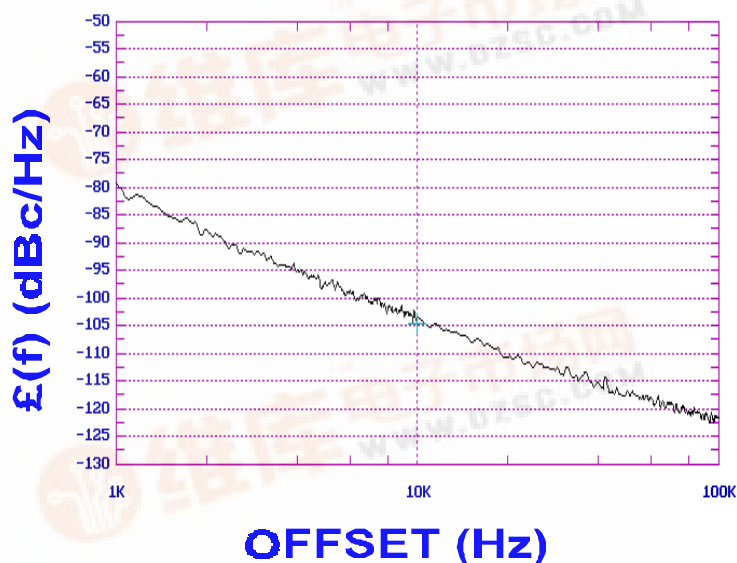



Z-Communications, Inc.

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V585ME20
VOLTAGE CONTROLLED OSCILLATOR

Rev A1


PHASE NOISE (1 Hz BW, typical)

FEATURES

- Frequency Range: 925 - 1650 MHz
- Tuning Voltage: 3-21 Vdc
- MINI-14S - Style Package

APPLICATIONS

- Spread Spectrum Radios
- Earthstations
- Downconvertors

PERFORMANCE SPECIFICATIONS
VALUE
UNITS

Oscillation Frequency Range	925 - 1650	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-102	dBc/Hz
Harmonic Suppression (2nd, typ.)	-8	dBc
Tuning Voltage	3-21	Vdc
Tuning Sensitivity (avg.)	57	MHz/V
Power Output	7±2.5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	100	pF
Pushing	<2	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<20	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	11.5	Vdc
Supply Current (Icc, typ.)	16	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:

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