

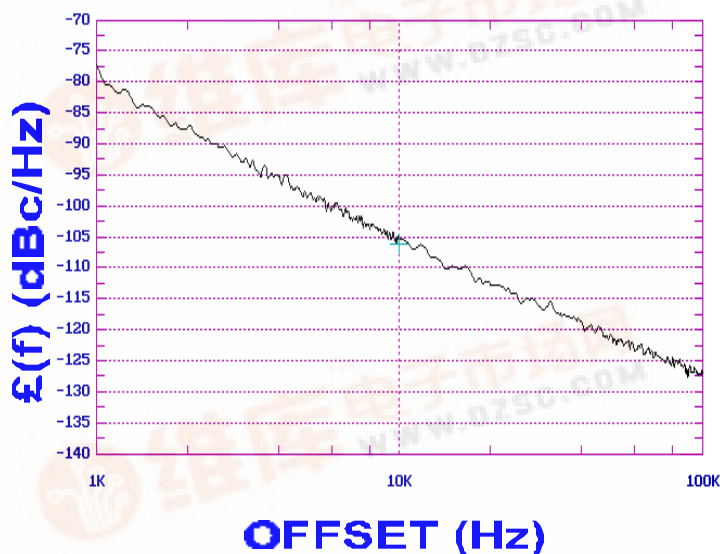
V613ME05

VOLTAGE CONTROLLED OSCILLATOR

Rev A1



PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 2110 - 2170 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-14S - Style Package

APPLICATIONS

- WLAN
- Digital Radios
- Earthstations

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	2110 - 2170	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-105	dBc/Hz
Harmonic Suppression (2nd, typ.)	-30	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	38	MHz/V
Power Output	0±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<3	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<5	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.)	17	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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LOW COST - HIGH PERFORMANCE
VOLTAGE CONTROLLED OSCILLATOR

