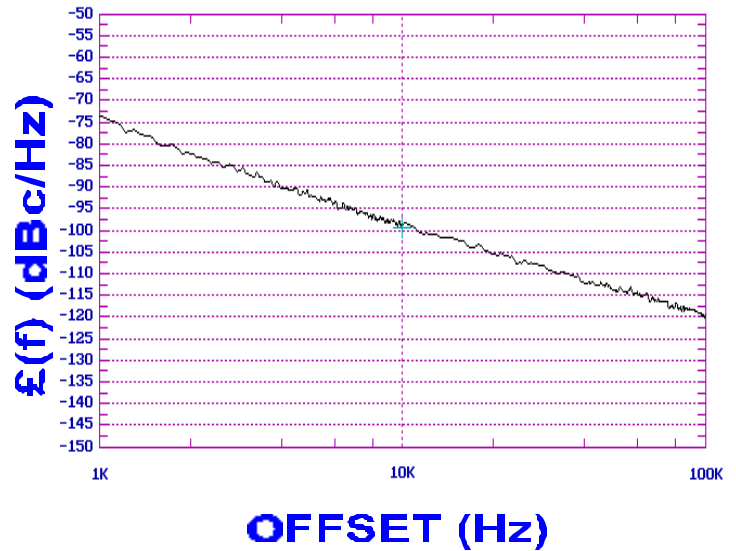


PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 1950 - 2150 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-14H - Style Package

APPLICATIONS

- Personal Communication Systems
- Earthstations
- Portable Radios

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	1950 - 2150	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-96	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	72	MHz/V
Power Output	5±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<3	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<10	MHz
Operating Temperature Range	-40 to 70	°C
Package Style	MINI-14H	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	4.5	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:

