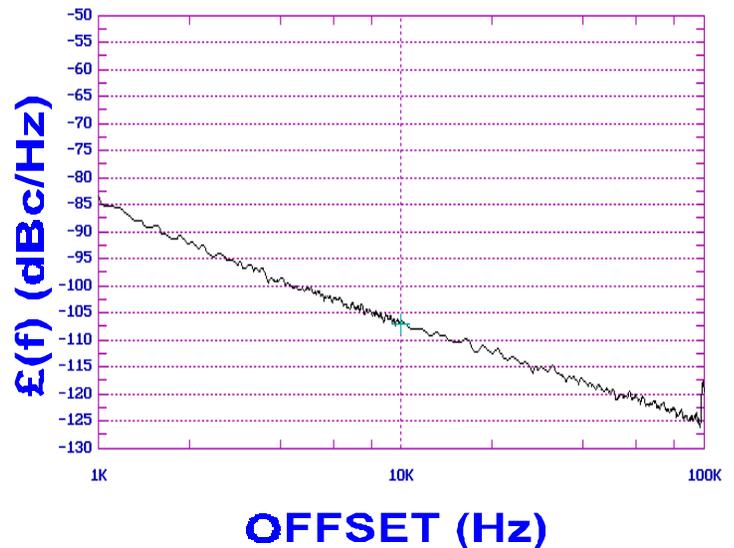




PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 370- 460 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-14S - Style Package

APPLICATIONS

- VHF Radios
- Test Instrumentation
- Mobile Radios

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	370 - 460	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-107	dBc/Hz
Harmonic Suppression (2nd, typ.)	-3	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	37	MHz/V
Power Output	7.25±2.75	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	250	pF
Pushing	<2	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	$^{\circ}\text{C}$
Package Style	MINI-14S	

POWER SUPPLY REQUIREMENTS

Supply Voltage (V_{cc} , nom.)	5	Vdc
Supply Current (I_{cc} , typ.)	14	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:

