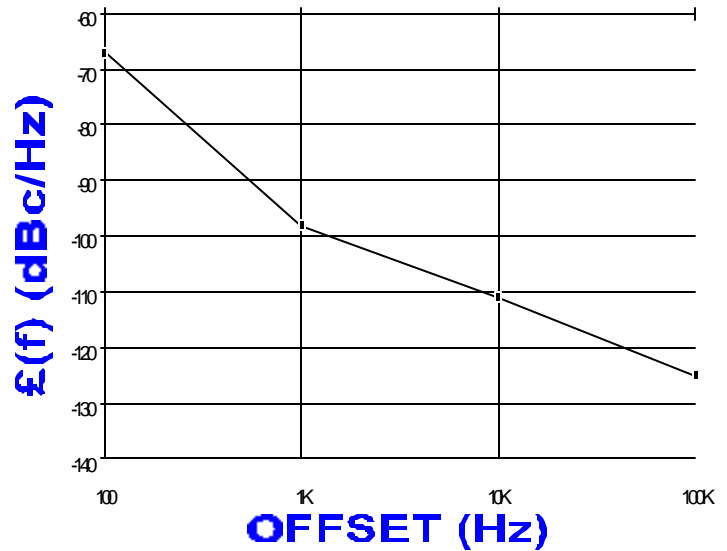


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 370 - 515 MHz
- Tuning Voltage: 0-8 Vdc
- MINI-14S - Style Package

**APPLICATIONS**

- VHF Radios
- Test Instrumentation
- Mobile Radios

**PERFORMANCE SPECIFICATIONS**

	VALUE	UNITS
Oscillation Frequency Range	370 - 515	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-107	dBc/Hz
Harmonic Suppression (2nd, typ.)	-4	dBc
Tuning Voltage	0-8	Vdc
Tuning Sensitivity (avg.)	40	MHz/V
Power Output	10 ± 4	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	200	pF
Pushing	<2	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	0 to 70	°C
Package Style	MINI-14S	

**POWER SUPPLY REQUIREMENTS**

Supply Voltage (Vcc, nom.)	10	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:**

