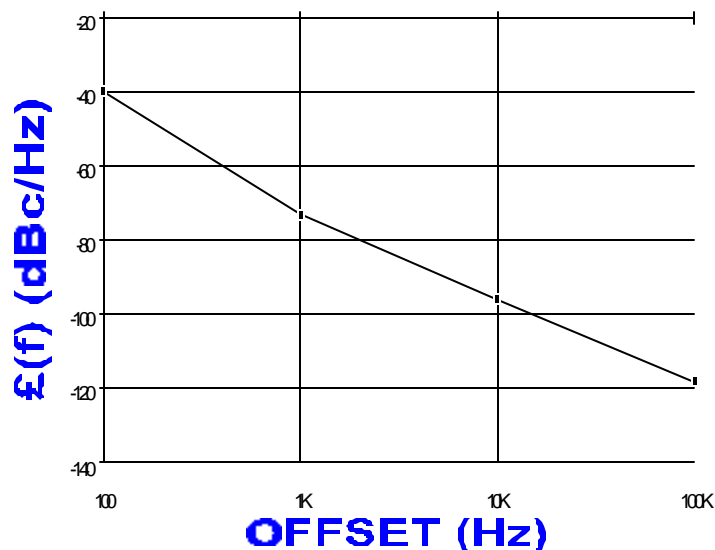


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 300 - 400 MHz
- Tuning Voltage: 0-15 Vdc
- MINI-14H - Style Package

**APPLICATIONS**

- Portable Radios
- Satellite Modems
- Earthstations

**PERFORMANCE SPECIFICATIONS**

	VALUE	UNITS
Oscillation Frequency Range	300 - 400	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-96	dBc/Hz
Harmonic Suppression (2nd, typ.)	-5	dBc
Tuning Voltage	0-15	Vdc
Tuning Sensitivity (avg.)	15	MHz/V
Power Output	11±2.5	dBm
Load Impedance	50	$\Omega$
Input Capacitance (max.)	470	pF
Pushing	<1	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<20	MHz
Operating Temperature Range	-35 to 85	$^{\circ}$ C
Package Style	MINI-14H	

**POWER SUPPLY REQUIREMENTS**

Supply Voltage (Vcc, nom.)	15	Vdc
Supply Current (Icc, typ.)	30	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:**

