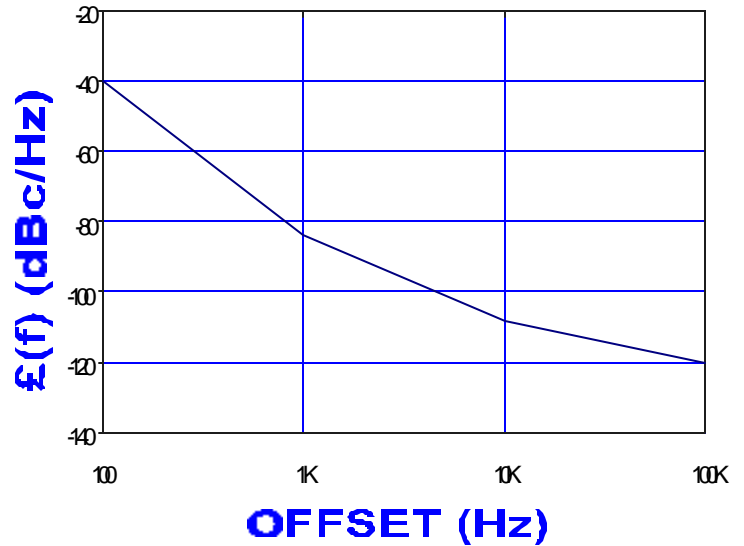


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 1510 - 1650 MHz
- Tuning Voltage: 1.5-12 Vdc
- MINI-14S - Style Package

**APPLICATIONS**

- Handheld Phones
- Earthstations
- Satellite Modems

**PERFORMANCE SPECIFICATIONS**

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	1510 - 1650	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-105	dBc/Hz
Harmonic Suppression (2nd, typ.)	-7	dBc
Tuning Voltage	1.5-12	Vdc
Tuning Sensitivity (avg.)	24	MHz/V
Power Output	0±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	100	pF
Pushing	<4	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<5	MHz
Operating Temperature Range	-10 to 85	°C
Package Style	MINI-14S	

**POWER SUPPLY REQUIREMENTS**

Supply Voltage (Vcc, nom.)	8	Vdc
Supply Current (Icc, 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:**

