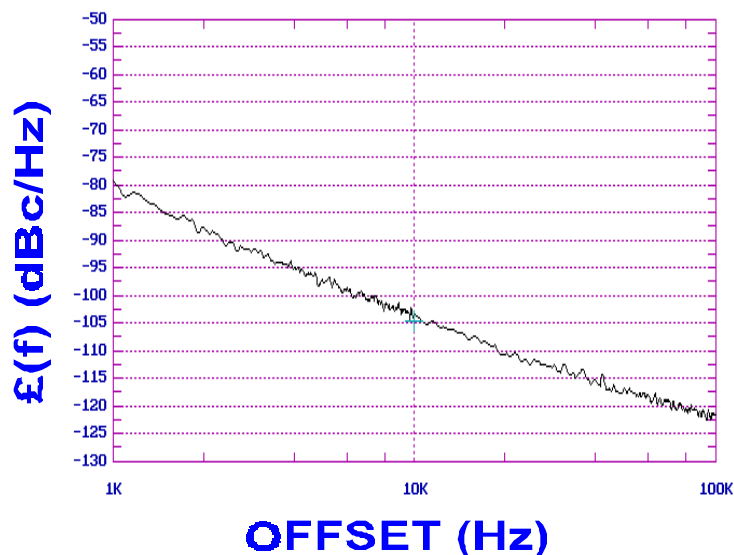




**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 800- 1600 MHz
- Tuning Voltage: 1-21 Vdc
- MINI-14S - Style Package

**APPLICATIONS**

- Spread Spectrum Radios
- Earthstations
- Downconvertors

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	800 - 1600	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-101	dBc/Hz
Harmonic Suppression (2nd, typ.)	-5	dBc
Tuning Voltage	1-21	Vdc
Tuning Sensitivity (avg.)	60	MHz/V
Power Output	8±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	100	pF
Pushing	<2	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<20	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	11.5	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:**

