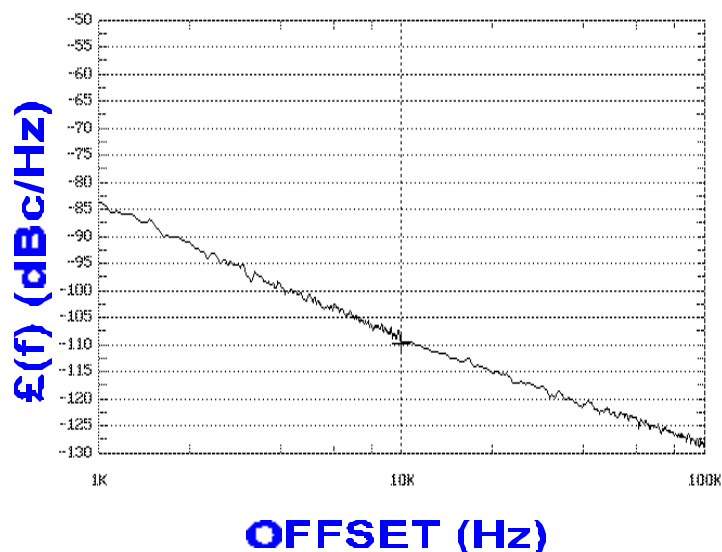


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 470 - 490 MHz
- Tuning Voltage: 0.5-3.5 Vdc
- MINI-14S-L - Style Package

**APPLICATIONS**

- Earthstations
- RF Modems
- Test Instrumentation

**PERFORMANCE SPECIFICATIONS**

**VALUE**

**UNITS**

Oscillation Frequency Range	470 - 490	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-107	dBc/Hz
Harmonic Suppression (2nd, typ.)	-5	dBc
Tuning Voltage	0.5-3.5	Vdc
Tuning Sensitivity (avg.)	58	MHz/V
Power Output	5±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	100	pF
Pushing	<2	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-30 to 85	°C
Package Style	MINI-14S-L	

**POWER SUPPLY REQUIREMENTS**

Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	13	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:**

