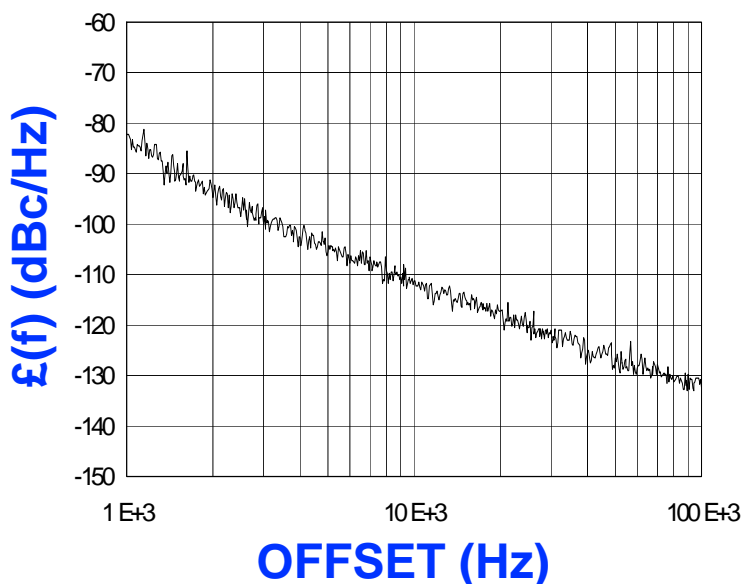


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 713 - 748 MHz
- Tuning Voltage: 1-4 Vdc
- MINI-14S-L - Style Package

**APPLICATIONS**

- VSAT Modems
- Basestation
- Digital Radios

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	713 - 748	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-111	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Tuning Voltage	1-4	Vdc
Tuning Sensitivity (avg.)	30	MHz/V
Power Output	5.5±3	dBm
Load Impedance	50	$\Omega$
Input Capacitance (max.)	100	pF
Pushing	<1	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S-L	

**POWER SUPPLY REQUIREMENTS**

Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	18	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:**