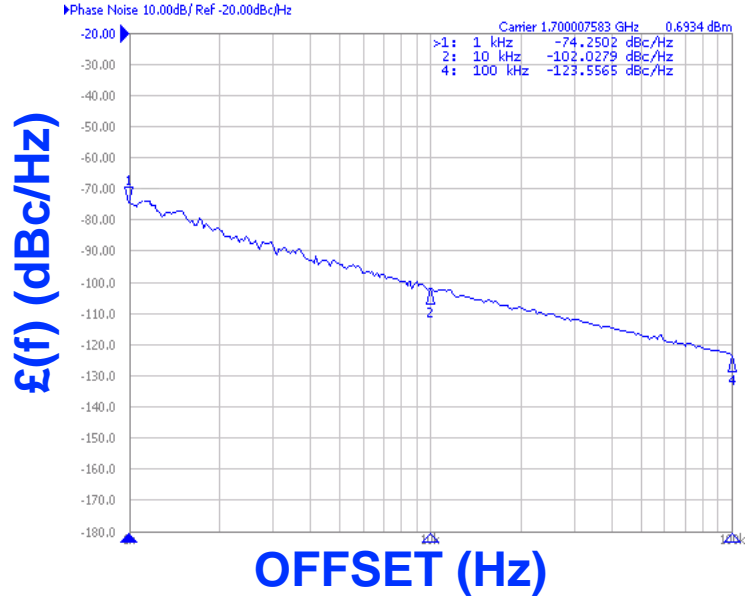


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 1200 - 2200 MHz
- Tuning Voltage: 1 - 20 Vdc
- MINI-14S-L - Style Package

**APPLICATIONS**

- Satellite Communications
- Test Instrumentation
- CATV Headend Equipment

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	1200 - 2200	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-100	dBc/Hz
Harmonic Suppression (2nd, typ.)	-18	dBc
Tuning Voltage	1 - 20	Vdc
Tuning Sensitivity (avg.)	75	MHz/V
Power Output	8.5±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	100	pF
Pushing	<5	MHz/V
Pulling ( 14dB Return Loss, Any Phase)	<11	MHz
Operating Temperature Range	-40 to 70	°C
Package Style	MINI-14S-L	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	25	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:**

