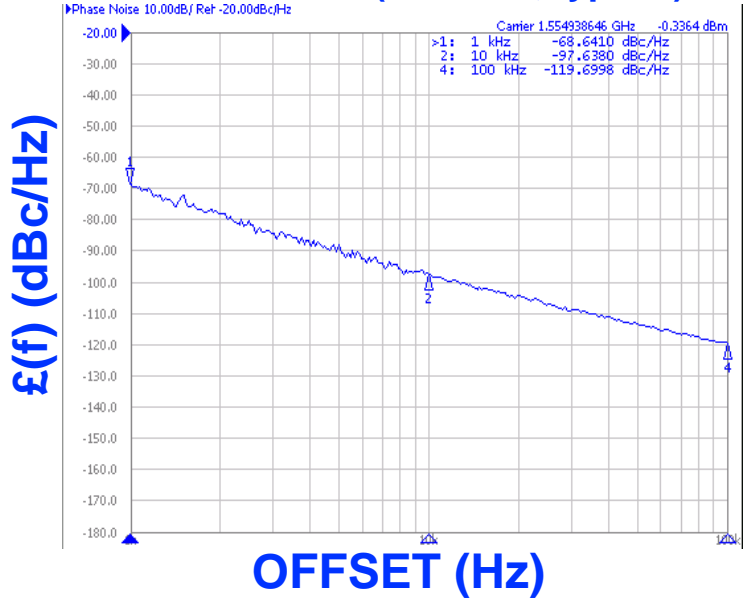




**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 1440 - 1670 MHz
- Tuning Voltage: 0.25-4.75 Vdc
- MINI-14S - Style Package

**APPLICATIONS**

- Personal Communication Systems
- Earthstations
- Portable Radios

**PERFORMANCE SPECIFICATIONS**

	VALUE	UNITS
Oscillation Frequency Range	1440 - 1670	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-97	dBc/Hz
Harmonic Suppression (2nd, typ.)	-11	dBc
Tuning Voltage	0.25-4.75	Vdc
Tuning Sensitivity (avg.)	99	MHz/V
Power Output	5±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<8	MHz/V
Pulling ( 14dB Return Loss, Any Phase)	<10	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S	

**POWER SUPPLY REQUIREMENTS**

Supply Voltage (Vcc, nom.)	4.5	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:**

