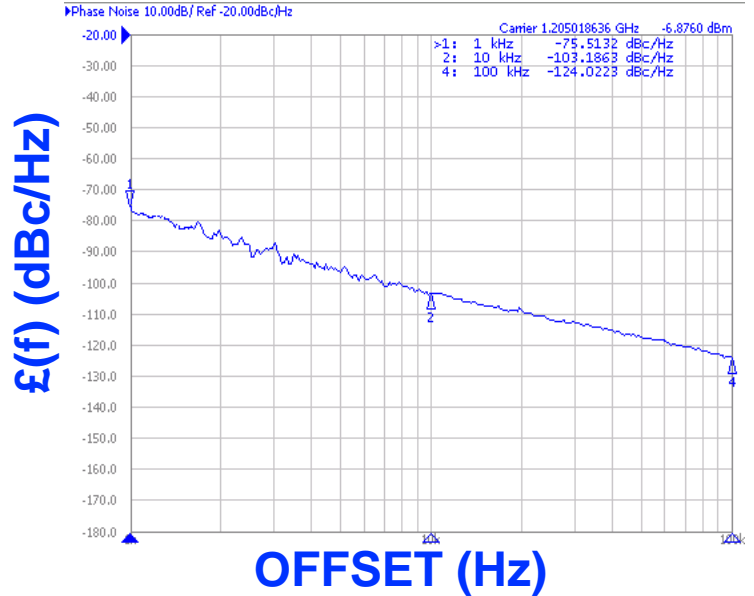


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 1185 - 1225 MHz
- Tuning Voltage: 0.5-2.7 Vdc
- SUB-L - Style Package

**APPLICATIONS**

- Digital Cellular
- GPS
- Test Equipment

**PERFORMANCE SPECIFICATIONS**

	VALUE	UNITS
Oscillation Frequency Range	1185 - 1225	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-103	dBc/Hz
Harmonic Suppression (2nd, typ.)	-20	dBc
Tuning Voltage	0.5-2.7	Vdc
Tuning Sensitivity (avg.)	54	MHz/V
Power Output	0.75±4.25	dBm
Load Impedance	50	$\Omega$
Input Capacitance (max.)	50	pF
Pushing	<4	MHz/V
Pulling ( 14dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 TO +85	$^{\circ}$ C
Package Style	SUB-L	

**POWER SUPPLY REQUIREMENTS**

Supply Voltage (Vcc, nom.)	3.1	Vdc
Supply Current (Icc, typ.)	12	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:**

