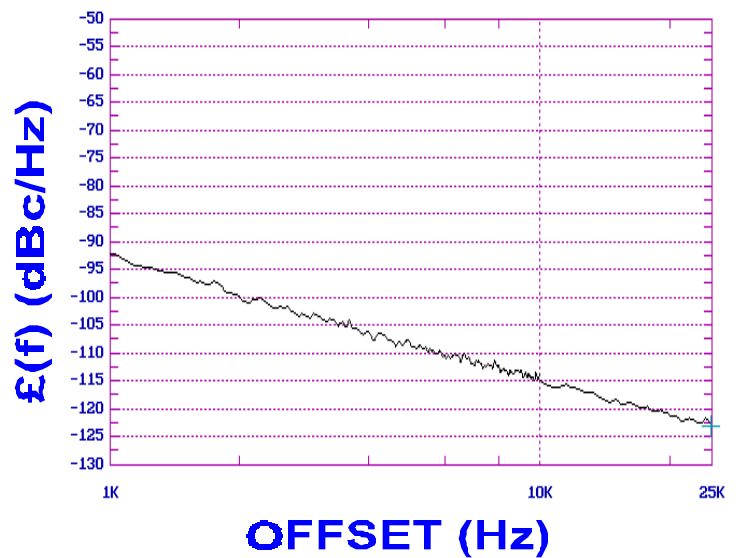




PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 403- 433 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-16M-LOW- Style Package

APPLICATIONS

- Mobitex Radios
- RF Modems
- Satellite Communications

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	403 - 433	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-114	dBc/Hz
Harmonic Suppression (2nd, typ.)	-12	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	12	MHz/V
Power Output	0±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	150	pF
Pushing	<5	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<5	MHz
Operating Temperature Range	-40 to 85	$^{\circ}\text{C}$
Package Style	MINI-16M-LOW	

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:

MODULATION SENSITIVITY (avg.): 3.89 kHz/V

