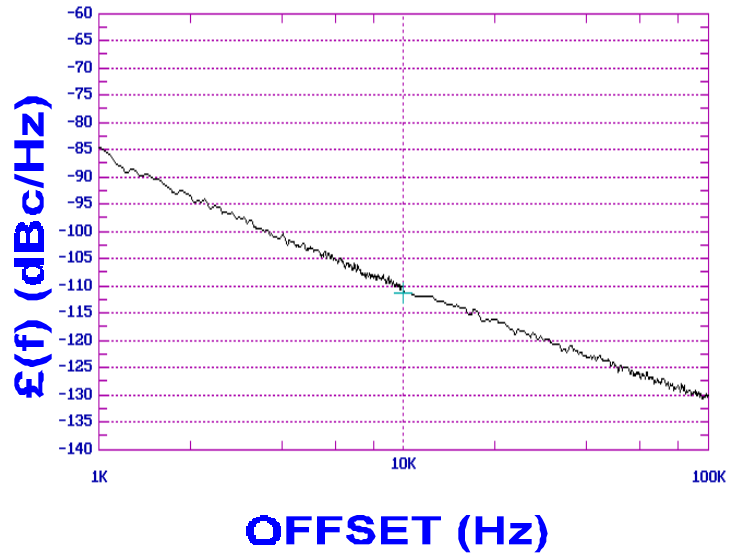


PHASE NOISE (1 Hz BW, typical)



FEATURES
<ul style="list-style-type: none"> • Frequency Range: 575 - 675 MHz • Tuning Voltage: 0.5-4.5 Vdc • MINI-14S - Style Package
APPLICATIONS
<ul style="list-style-type: none"> • Wireless Radios • Basestations • Mobile Communications

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	575 - 675	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-110	dBc/Hz
Harmonic Suppression (2nd, typ.)	-8	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	43	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-14S	

POWER SUPPLY REQUIREMENTS	VALUE	UNITS
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	26	mA

All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES
<ul style="list-style-type: none"> • AN-100/1 : Mounting and Grounding of VCOs • AN-102 : Proper Output Loading of VCOs • AN-107 : How to Solder Z-COMM VCOs

NOTES:

Phase Noise @ 100 kHz offset (1 Hz BW, max.): -124 dBc/Hz

