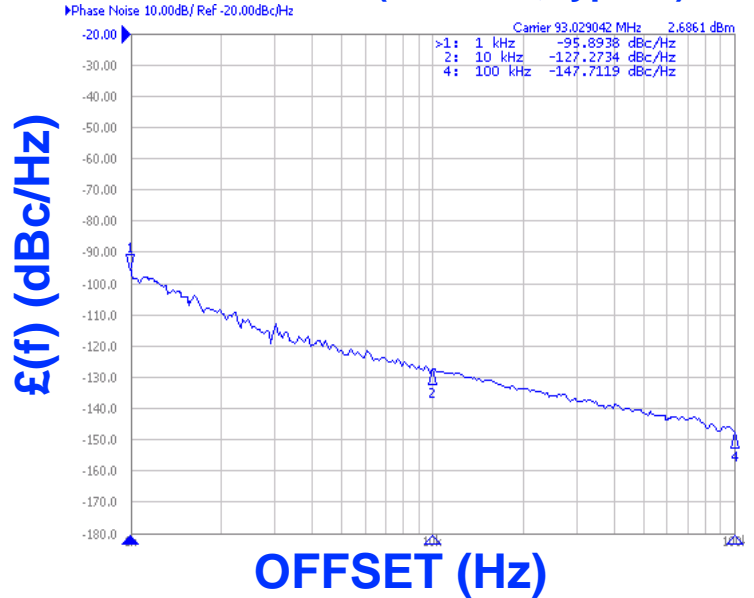


PHASE NOISE (1 Hz BW, typical)



FEATURES
• Frequency Range: 88 - 98.2 MHz
• Tuning Voltage: 0.5-4.5 Vdc
• MINI-16 - Style Package
APPLICATIONS
• RF Modems
• Earthstations
• Test Instrumentation

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	88 - 98.2	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-127	dBc/Hz
Harmonic Suppression (2nd, typ.)	-12	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	6.4	MHz/V
Power Output	8±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	500	pF
Pushing	<1	MHz/V
Pulling (12dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-16	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	17	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:

PCB plating is Nickel/Gold. This supercedes the statement below in Note 1 under Physical Dimentions, "... boards are solder plated...".

