



Significantly Phase Noise

With our most popular Clean Up VCXOs and OCXOs

These three devices take incoming noisy signals and clean them up to improve their phase noise. They have a wide variety of applications, including atomic and GNSS based clocks, test and measurement, COTS/ Dual use, and more.

See our most popular Clean Up devices below!

10 MHz and 100 MHz Phase Locked Clean Up VCXOs

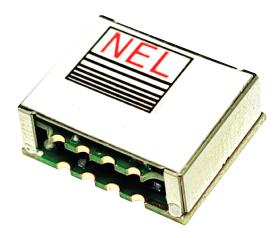
With low G sensitivity

Features

- Low G-sensitivity
- Low Phase Noise Similar to OCXO
- Compact SMD Package
- Low Power Consumption Independent on Ambient Temperature and no Warm-up
- Fast Ready

Applications

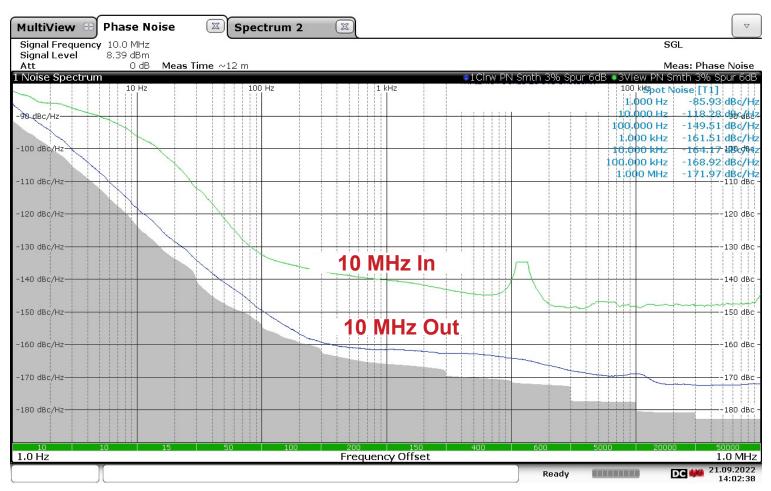
- Significantly improves Phase Noise of incoming signal
- Atomic Clocks, GNSS Based Clocks
- Test and Measurement
- COTS/Dual use



10 MHz Specifications

100 MHz Specifications

Evaluation Unit? Contact NEL



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MultiView 😁 Phase Noise	Spectrum 2	Spectrum	X	
Signal Frequency 100.000008 MHz Signal Level 9.78 dBm	RBW 0.3 % XCORR Factor 20		5	SGL
Att 0 dB	Meas Time ~129 s		1	Meas: Phase Noise
1 Noise Spectrum			●1Clrw PN Smth 3% Spur 6dB ©2View PN	
100 Hz	1 kH:	z External	10.000 Hz	
-80 dBe/Hz			100.000 Hz 1.000 kHz 10.000 kHz	2 -152.03 dBc/Hz
-90 dBc/Hz			10.000 kHz 100,000 kHz 1,000 MHz	z -173.22 dBc/Hz
-100 dBc/Hz				
-110 dBc/H2		100 MHz In		-110 dBc
-130 dBc/Hz				
-140 dBc/Hz				
-150 dBc/Hz				
-160 dBc/Hz			100 MHz Out	
-170 dBc/Hz				
-180 dBc/Hz				
11/20 11/20 11/20 10.0 Hz	59/74 199/230	691/760 2094/2300 Frequency Offset	7003/7700 21030/23000 70131/7700	0 210412/230000 1.0 MHz

Phase Locked SC-Cut **Clean Up OCXO**

In compact Europack

Features

- SC-cut crystal
- Low Phase Noise
- Very Compact Package

Applications

- · Significantly improves Phase Noise of incoming signal with optional Higher **Frequency Output**
- COTS/Dual use

Specifications

FREQUENCY

Evaluation Unit? Contact NEL

NOISE XT L(f) dBc/Hz -80 -90 -100 -110 · Clean -120 -130 -140 -150 -160 MM -170 -180 10K 100k 10 100 1K 1M



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