NEL FREQUENCY CONTROLS, INC.
Your Silent Partner®

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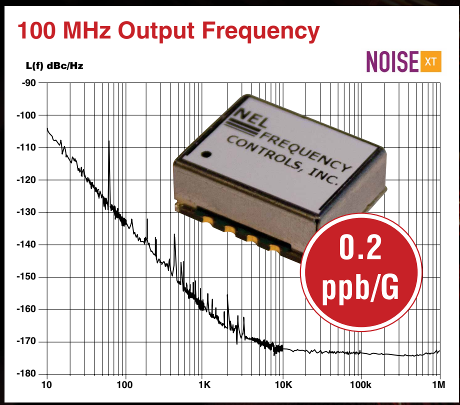
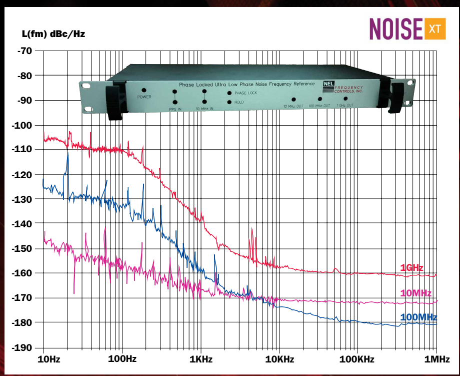


Ultra Low Phase Noise 100 MHz TCXO with Low G Sensitivity

Features

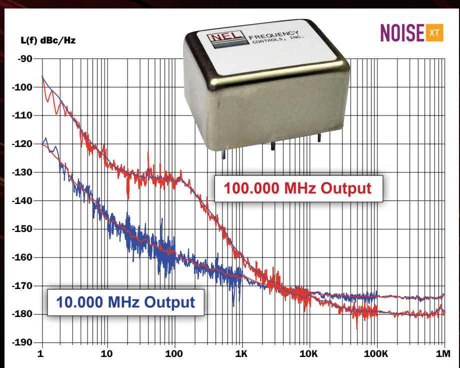
- Surface Mount Package (17 x 14 mm)
- 0.2 ppb/G
- 0.28 ppm, -40 to 85 C



5G Ultra Low Phase Noise Multi-Frequency Reference Appliance

Perfect for 5G Synchronization and Testing

- Significantly improves Phase Noise of incoming reference signal
- Locks to either 5 or 10 MHz reference or 1 PPS input
- Ultra-Low Phase Noise (ULPN) on all outputs
- 10 MHz, 100 MHz, and 1 GHz outputs
- Excellent holdover in the absence of REF IN
- 10 MHz and 100 MHz internal SC-cut OCXO
- Rack mount appliance
- GNSS synchronization option available



Ultra Low Phase Noise OCXO

Dual Frequency Reference Module

- Very small hermetically sealed 36 x 27 mm “Europack” OCXO
- Two frequency outputs—10 MHz and 100 MHz
- Ultra Low Phase Noise
  -115 dBc/Hz at 1 Hz offset, -145 dBc/Hz at 10 Hz offset for 10 MHz
  -123 dBc/Hz at 10 Hz offset, -180 dBc/Hz at 100 KHz for 100 MHz
- Excellent temperature stability from ± 2 ppb
- Low aging from 0.25 ppb/day
- Excellent short term stability ADEV < 1E-12 at 1 s

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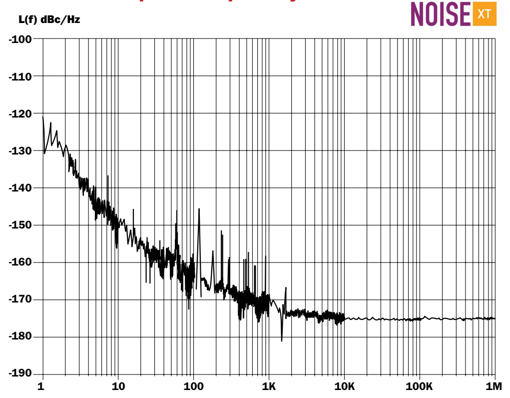
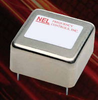
Ultra Low Phase Noise

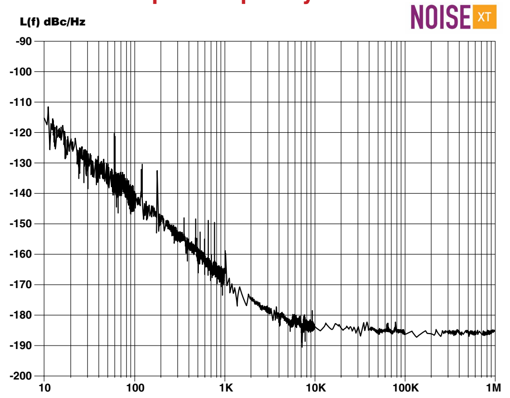
OCXO

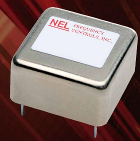
10 MHz Output Frequency



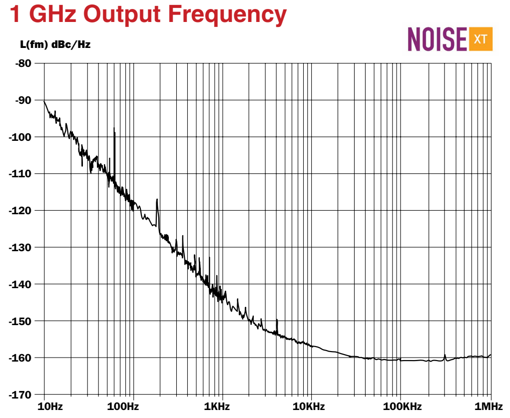


100 MHz Output Frequency





1 GHz Output Frequency



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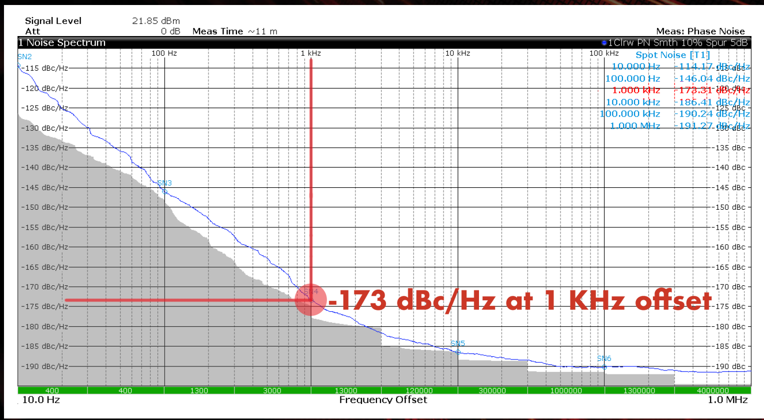
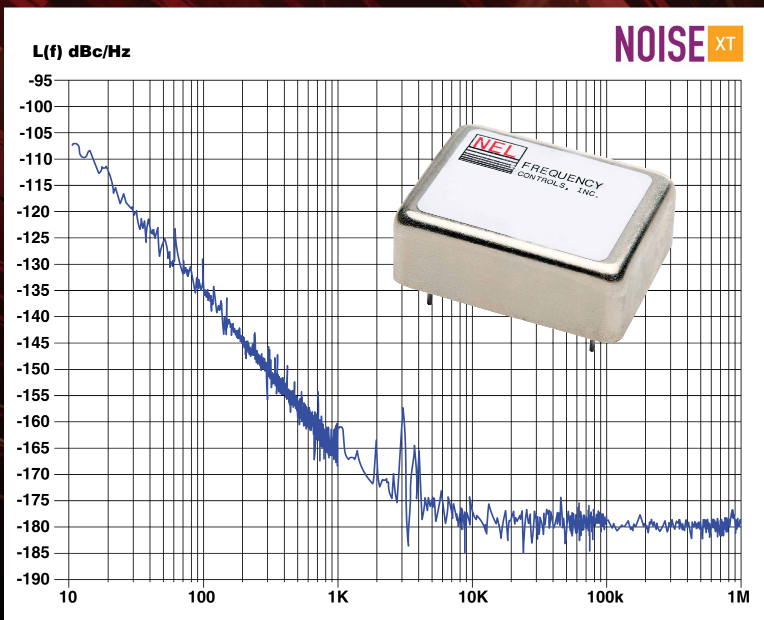
Extraordinary Low Phase Noise 100 MHz OCXO Reference Module



- Featuring -173dBc/Hz at 1 KHz offset
- Internally locked to precision 10 MHz OCXO with excellent temperature stability and aging
- External reference is optional
- Machined aluminum case

Extraordinary Low Phase Noise TCXO in Europack



- Excellent Frequency Stability
- Low G sensitivity
- No multiplication—no sub-harmonics
- Very low power consumption compared to OCXOs with similar performance
- Excellent temperature stability
- Immediate ready
- 0.2 ppb/G

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