Bliley 30 to 130MHz OCVCXO Boasts -174dBc/Hz Phase Noise Performance at 10KHz offset

Bliley Technologies introduces the second product in the Olympian family of oscillators. The Zeus Series OCVCXO offers customer specified output frequencies between 30MHz and 130MHz with phase noise performance down to -178dBc/Hz at 100KHz offset. This series has exceptional performance with optional frequency stability versus temperature from +/- 500 ppb down to +/- 50 ppb. Excellent long term aging is typically +/- 1.50 ppm after 20 years. The rugged package comes with an SMA female output and EMI feed thrus on all DC inputs. A RoHS compatible version is available as the NVG108C while the standard unit’s part number is NV108C. The Zeus family of OCVCXOs is ideal for phase-locked microwave signal sources such as DRO’s, low noise test equipment, synthesizers, microwave communication systems and radar applications. Hi-rel versions are available.

The mini-chart below depicts available options as related to worst case phase noise performance at 100MHz:

Offset Frequency	Option A (dBc/Hz)	Option B (dBc/Hz)	Option C (dBc/Hz)	Option
10Hz	-103	-100	-95	-90
100Hz	-133	-130	-125	-120
1000Hz	-160	-157	-155	-153
10000Hz	-174	-172	-172	-170
100000Hz	-178	-176	-175	-174

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Links:
[1] http://www.bliley.com