

## Ultra Low Phase Noise OCSO (LNO): 320 – 1000MHz

► APPLICATIONS: Airborne Radars, Phase Noise Measurement, Phase Noise applications in airborne environment, Synthesizers, Test Equipments, Radars, Military Communication.

MODEL	IMAGE	PACKAGE	FREQUENCY	STABILITY (FVST)	BROADBAND JITTER	PHASE NOISE
LNO1000B2 New		47.6 x 69.6 x 12.7 mm	1000 MHz	<±2 ppm (0 to 60°C)	< 6 fs (offset from 10 kHz to 40 MHz)	-136 dBc/Hz @ 1 kHz Noise floor: -172 cBc/Hz
LNO1000B1		B1: 96x76x23mm D1: 70x70x35mm	1000 MHz	B1: <±1 ppm, 0 to 60°C D1: ±1 ppm, -40 to 70°C	< 6 fs (offset from 10 kHz to 40 MHz)	-130 dBc/Hz @ 1 kHz Noise floor: -170 cBc/Hz
LNO800E1 New		26.4x22x12.7mm	800 MHz	<±3 ppm (0 to 60°C)	< 10 fs (offset from 10 kHz to 100 MHz)	-137 dBc/Hz @ 1 kHz Noise floor: -167 cBc/Hz
LNO640D1		70x70x35mm	640 MHz	<±2 ppm (-40 to 70°C)	-	-146 dBc/Hz @ 1 kHz Noise floor: -172 dBc/Hz
LNO640B1		96x76x23mm	640 MHz	<±1 ppm (0 to 60°C)	< 6 fs (offset from 10 kHz to 40 MHz)	-146 dBc/Hz @ 1 kHz Noise floor: -174 cBc/Hz
LNO500B2 New		47.6 x 69.6 x12.7 mm	500 MHz	<±2 ppm (0 to 60°C)	< 4 fs (offset from 10 kHz to 40 MHz)	-141 dBc/Hz @ 1 kHz Noise floor: -178 dBc/Hz
LNO500B1		96x76x23mm	500 MHz	<±1 ppm (0 to 60°C)	< 4 fs (offset from 10 kHz to 40 MHz)	-140 dBc/Hz @ 1 kHz -180 dBc/Hz @ 100 kHz
LNO500D1		70x70x35mm	500 MHz	±1ppm (-40 to 70°C)	< 4 fs (offset from 10 kHz to 40 MHz)	-140 dBc/Hz @ 1 kHz -180 dBc/Hz @ 100 kHz
LNO480B1		96x76x23mm	480 MHz	<±1 ppm (0 to 60°C)	< 6 fs (offset from 10 kHz to 40 MHz)	-142 dBc/Hz @ 1 kHz -180 dBc/Hz @ 100 kHz
LNO320B1		96x76x23mm	320 MHz	<±1 ppm (0 to 60°C)	< 3 fs (offset from 10 kHz to 40 MHz)	-152 dBc/Hz @ 1 kHz Noise floor: -180 dBc/Hz
LNO320D1		70x70x35mm	320 MHz	±2ppm (-40 to 70°C)	-	-152 dBc/Hz @ 1 kHz Noise floor: -178 dBc/Hz