
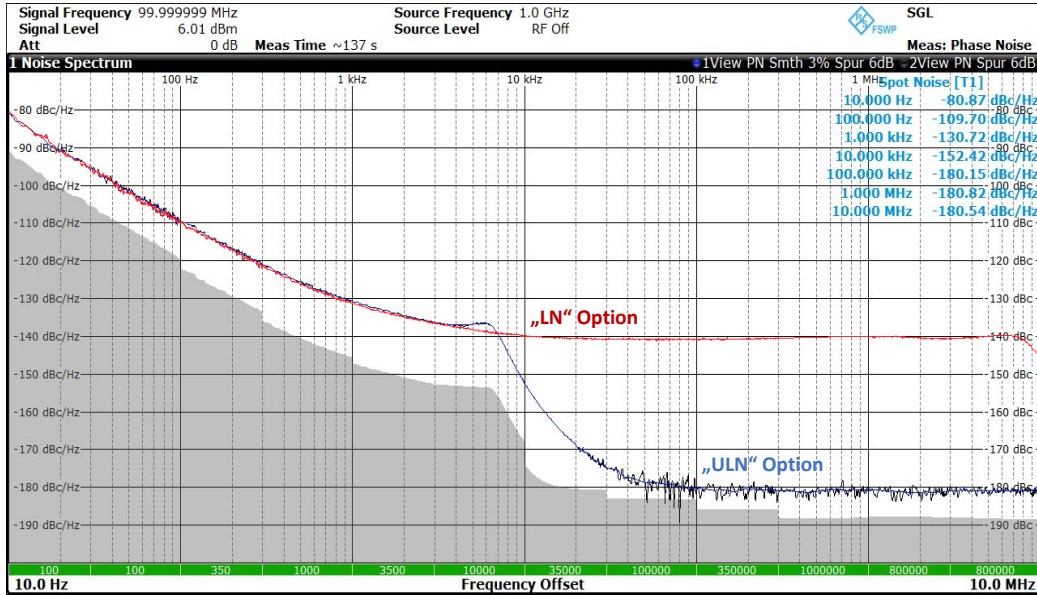


<b>Models</b>						
<b>Frequency range</b>	Wide range of SMD & THD packages from <b>5x3.2 mm</b> up to <b>20x20 mm</b>					
<b>Output waveform</b>	<b>10 ~ 50 MHz</b> (small SMD packages) / <b>5 ~ 200 MHz</b> (other packages)					
<b>Stability</b>	CSW / Sine wave / HCMOS / PECL / LVDS					
<b>Temperature range</b>	<b>±0.05 ~ ±2 ppm</b>					
<b>Supply voltage</b>	<b>-40°C ~ +85°C</b> (standard range) / <b>-55°C ~ +95°C</b> (wide range) / <b>-60°C ~ +125°C</b> (ultra-wide range)					
<b>Special features</b>	<b>1.8 ~ 3.3 V</b> (other voltages available on request)					
<b>Series</b>	Very High Frequency Stability <b>±50 ppb</b>	Very Wide Temperature Range <b>-60°C ~ +125°C</b>	Ultra-Low G-Sensitivity <b>&lt; 0.2 ppb/g</b>	Ultra-Low Phase Noise Floor <b>-180 dBc/Hz</b>	Ultra-Low Phase Jitter <b>10 fs</b>	New Space Application (Space COTS) <b>50 krad (TID)</b>
<b>Availability</b>	Various AXLE Series	AXLE <b>WT</b> Series AXLE <b>LG</b> Series	AXLE <b>LG</b> Series AXLE <b>HF</b> Series	AXLE <b>HF</b> Series	AXLE <b>HF</b> Series	AXLE <b>S</b> Series
<b>Availability</b>	Use of different TCXO-IC technologies and manufacturers allows good ability to deliver.					

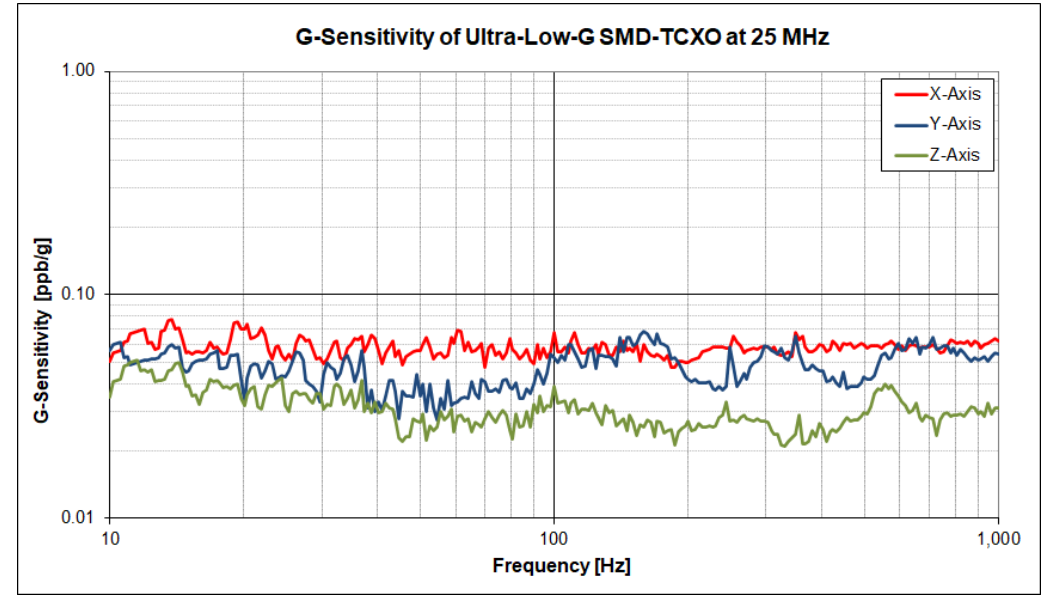


## Phase Noise HF-Series



RMS phase jitter (12 kHz ~ 20 MHz): „ULN“ Option = 10 fs – „LN“ Option = 700 fs

## G-Sensitivity



G-Sensitivity measured with flat random vibration profile of 0.1 g<sup>2</sup>/Hz

More High Frequency TCXOs see also [PLL Oscillator Modules](#) and [GHz Crystal-Controlled Oscillators](#)

