AXTAL ADVANCED XTAL PRODUCTS
a Q-TECH Company

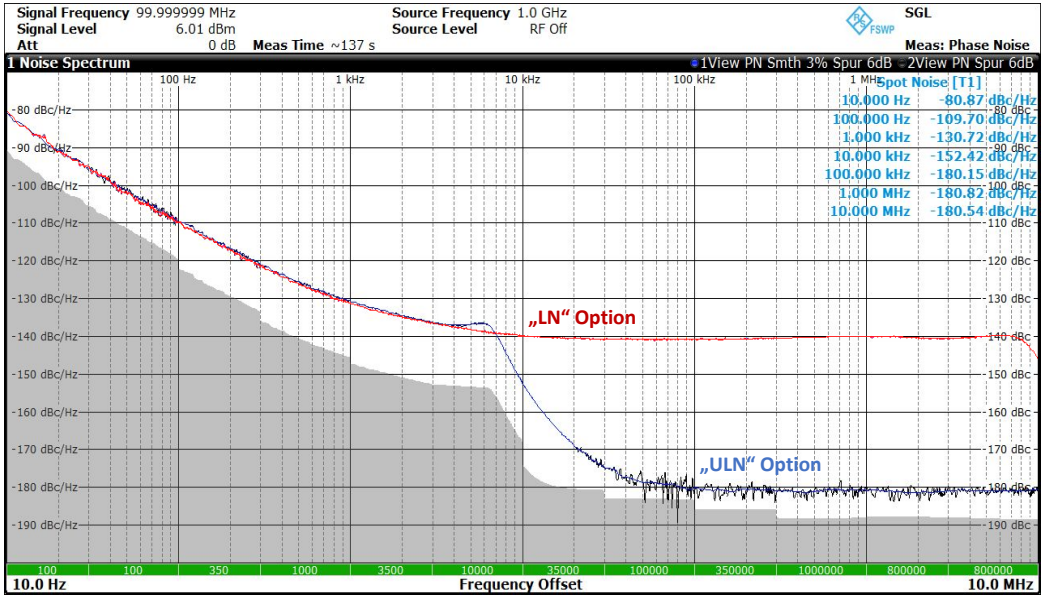
TCXO – LINE

Models						
	Wide range of SMD & THD packages from **5x3.2 mm** up to **20x20 mm**					
Frequency range	**10 ~ 50 MHz** (small SMD packages) / **5 ~ 200 MHz** (other packages)					
Output waveform	CSW / Sine wave / HCMOS / PECL / LVDS					
Stability	**±0.05 ~ ±2 ppm**					
Temperature range	**-40°C ~ +85°C** (standard range) / **-55°C ~ +95°C** (wide range)					
Supply voltage	**1.8 ~ 3.3 V** (standard) **5 ~ 12 V** (special models – on request)					
Special features	Very High Frequency Stability **±50 ppb**	Wide Temperature Range **-55°C ~ +95°C**	Ultra-Low G-Sensitivity **< 0.2 ppb/g**	Ultra-Low Phase Noise Floor **-180 dBc/Hz**	Ultra-Low Phase Jitter **10 fs**	New Space Application (Space COTS) **50 krad (TID)**
Series	Various AXLE Series	AXLE **WT** Series AXLE **LG** Series	AXLE **LG** Series AXLE **HF** Series	AXLE **HF** Series	AXLE **HF** Series	AXLE **S** Series
Availability	Use of different TCXO-IC technologies and manufacturers allows good ability to deliver.					

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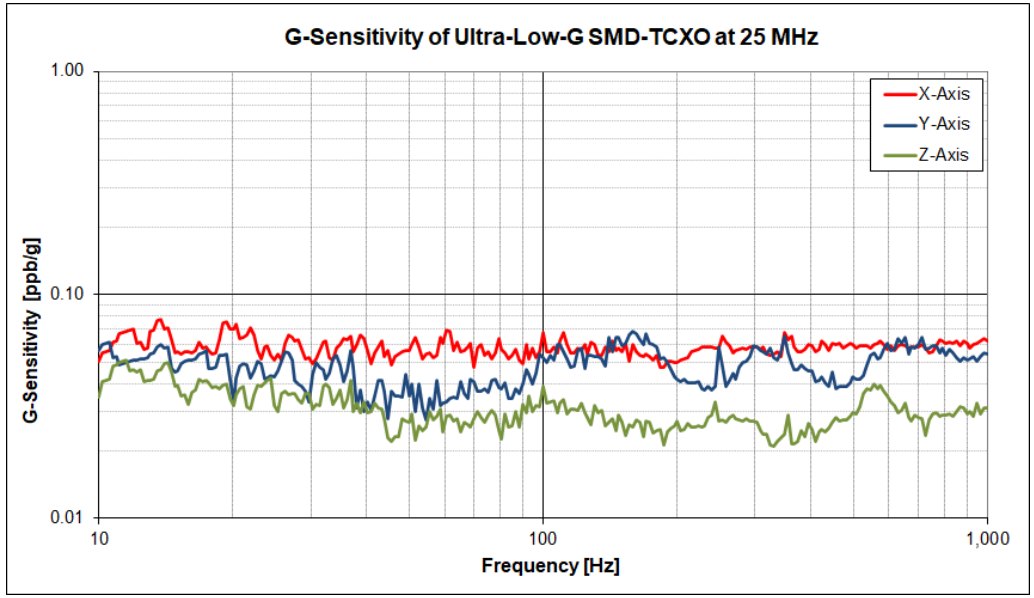
Performance Examples

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 g²/Hz

More High Frequency TCXOs see also PLL Oscillator Modules and GHz Crystal-Controlled Oscillators

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