




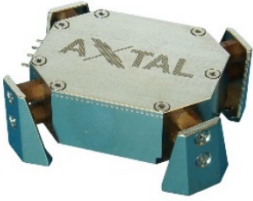
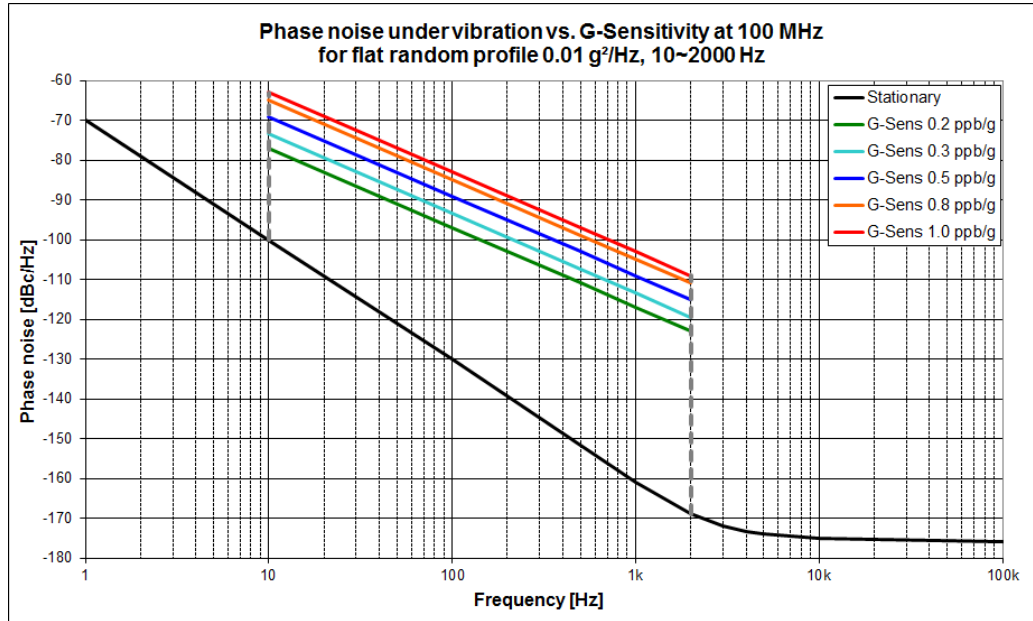


Model							
Model	AXE238	AXIOM75LG	AXIOM275	AXIOM238	AXIOM210	AXIOM260	
Oscillator type	Vibration-Isolated SPXO	Low G-Sensitivity OCXO	Vibration-Isolated OCXO				
Features	Very high random vibration levels	High mechanical shock resistance	Smallest vibration-isolated OCXO	Miniature Package	Best Vibration Performance	Legacy model	
G-Sensitivity [ppb/g] *	0.004	0.250	0.010	0.005	0.001	0.015	
Frequency range	10 ~ 150 MHz						
Phase noise at 100 MHz [dBc/Hz]	Static	-135 100 Hz -170 Floor	-135 100 Hz -175 Floor	-130 100 Hz -175 Floor	-135 100 Hz -175 Floor	-137 100 Hz -180 Floor	-130 100 Hz -165 Floor
	Vibration **	-90 100 Hz -150 1 kHz	-95 100 Hz -115 1 kHz	-85 100 Hz -145 1 kHz	-90 100 Hz -150 1 kHz	-115 100 Hz -155 1 kHz	-90 100 Hz -140 1 kHz
Stability	±50 ppm -55°C to +95°C	±5 to ±300 ppb / -55°C to +95°C					
Supply voltage	12 to 15 V						
Size	38 x 38 x 19 mm SMA / Feedthrough	25 x 25 x 13 mm THD	25 x 25 x 15 mm THD	38 x 38 x 20 mm SMA / Feedthrough	50 x 50 x 30 mm SMA / Feedthrough	58 x 48 x 27 mm Feedthrough	

* G-Sensitivity at 1 kHz offset ** Flat random vibration profile 0.01 g²/Hz, 10~2000 Hz



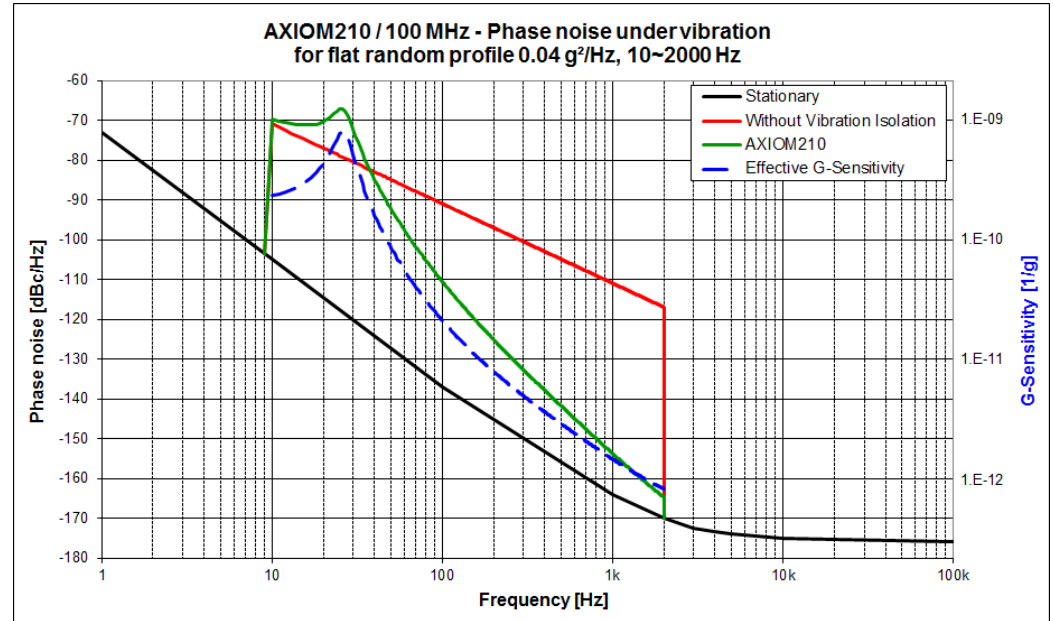
AXIOM75LG



Phase noise under random vibration for flat profile PSD = 0.01 g²/Hz, 10~2000 Hz

- Double PSD results in 3 dB worse phase noise
- Withstands very high vibration levels >1 g²/Hz
- High mechanical shock resistance

AXIOM210



Phase noise under random vibration for flat profile PSD = 0.04 g²/Hz, 10~2000 Hz

- Withstands very high vibration levels >1 g²/Hz above 50 Hz
- Phase noise under vibration -155 dBc/Hz @ 1 kHz
- Isometric behaviour under vibration
- High mechanical shock resistance
- Internal vibration isolation – Insensitive to cabling

You name your vibration requirements – We compute the possible phase noise performance
Isolation absorber systems can be designed and tailored to your application requirements

