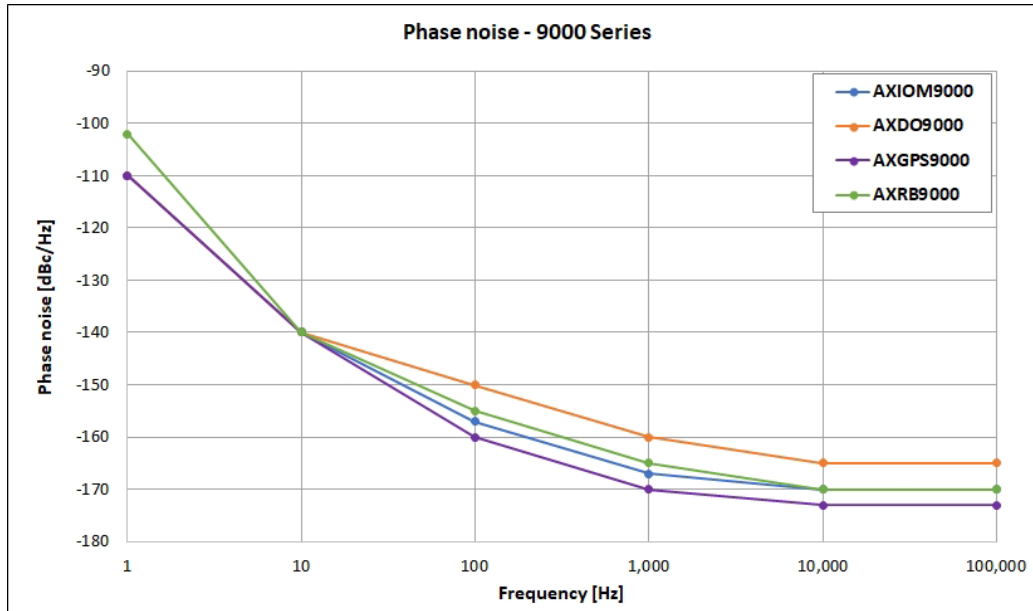


Model	AXIOM9000 Very High Stability Ultra-Low Noise Reference (D)OCXO				AXDO9000 AXIOM9000 Reference with integrated low-noise distribution amplifier				AXGPS9000 GPS-disciplined Ultra-Low Noise OCXO Frequency Reference				AXRB9000 Very High Stability Ultra-Low Noise Rubidium Frequency Reference																																																																																			
Stability / Phase noise at 10 MHz [dBc/Hz]	2E-12	1 s	-110	1 Hz	2E-12	1 s	-110	1 Hz	8E-12	1 s	-110	1 Hz	1E-11	1 s	-100	1 Hz	5E-12	10 s	-140	10 Hz	5E-12	10 s	-140	10 Hz	1E-11	10 s	-140	10 Hz	3E-12	10 s	-140	10 Hz	8E-12	100 s	-157	100 Hz	8E-12	100 s	-150	100 Hz	1E-11	100 s	-160	100 Hz	1E-12	100 s	-155	100 Hz	1E-11	1E3 s	-167	1 kHz	1E-11	1E3 s	-160	1 kHz	4E-12	1E3 s	-170	1 kHz	1E-12	1E3 s	-165	1 kHz	5E-11	1E4 s	-170	10 kHz	5E-11	1E4 s	-165	10 kHz	1E-12	1E4 s	-173	10 kHz	1E-12	1E4 s	-170	10 kHz	1E-10	1E5 s	-170	100 kHz	1E-10	1E5 s	-165	100 kHz	1E-13	1E5 s	-173	100 kHz	1E-12	1E5 s	-170	100 kHz
Features	<ul style="list-style-type: none"> Very High Stability Ultra-Low Phase Noise Very Low Aging Up to 3 isolated outputs for frequency distribution Cascadable with AXDA9000 distribution amplifier 				<ul style="list-style-type: none"> Very High Stability Ultra-Low Phase Noise Very Low Aging 4 to 16 isolated outputs for frequency distribution 				<ul style="list-style-type: none"> GPS-disciplined Very High Long-term Stability Ultra-Low Phase Noise 10 MHz & 1PPS Output RS-232 Interface / NMEA-0183 Cascadable with AXDA9000/9100 distribution amplifiers 				<ul style="list-style-type: none"> Very High Long-term Stability Ultra-Low Phase Noise 1PPS & 10 MHz distribution amplifiers integrated External 1PPS disciplining RS-232 Interface for Monitoring Cascadable with AXDA9000/9100 distribution amplifiers 																																																																																			
Operation	AC Supply 100 ~ 240 V (47 ~ 63 Hz) / Operating temperature range -10°C ~ +60°C																																																																																															
Size	Slim 19" Rack - 1 HU																																																																																															

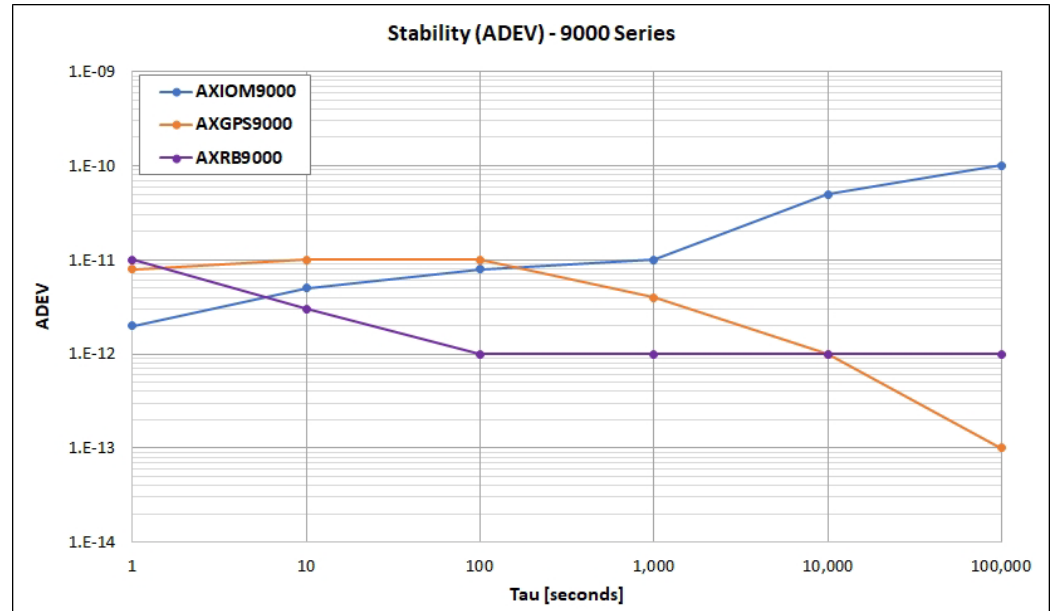


9000 Series Performance

Phase Noise



Stability (ADEV) & Holdover



Time	AXIOM9000	AXGPS9000	AXRB9000
8 hours	1 μ s	100 ns	30 ns
24 hours	10 μ s	1 μ s	90 ns
3 days	100 μ s	10 μ s	260 ns
10 days	900 μ s	100 μ s	900 ns
1 month	8 ms	1 ms	2.6 μ s

Typical Holdover Performance

See also our
 Distribution Amplifiers AXDA9000 Series for 1PPS and 10 MHz distribution
 AXPLO10 & AXDA9200-CU for 10 MHz Phase Noise Clean-up



AXTAL GmbH
 Roemerring 9, D-74821 Mosbach, Germany

www.axtal.com
 fon: +49 (6261) 939 834

contact@axtal.com
 fax: +49 (6261) 939 836

Designed and
 Manufactured
 in Germany