




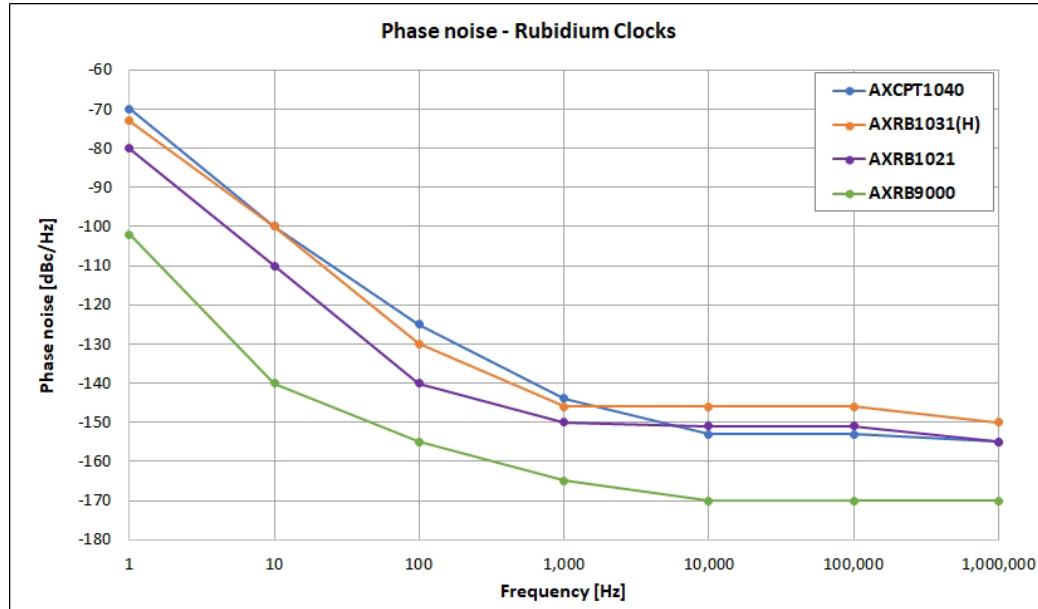


Model					
	AXCPT1040	AXRB1031	AXRB1031H	AXRB1021	AXRB9000
Technology	CPT Atomic Clock	Rubidium			
Short-term stability	1E-10 1 sec 2E-11 10 sec 5E-12 100 sec	5E-11 1 sec 1E-11 10 sec 4E-12 100 sec	5E-11 1 sec 1E-11 10 sec 4E-12 100 sec	3E-11 1 sec 5E-12 10 sec 3E-12 100 sec	1E-11 1 sec 3E-12 10 sec 1E-12 100 sec
Long-term stability	1E-11 / day	5E-12 / day		1E-12 / day	< 1E-12 / day
Phase noise at 10 MHz [dBc/Hz]	-100 10 Hz -125 100 Hz -140 1 kHz	-100 10 Hz -130 100 Hz -135 1 kHz	-100 10 Hz -130 100 Hz -135 1 kHz	-110 10 Hz -140 100 Hz -150 1 kHz	-140 10 Hz -160 100 Hz -165 1 kHz
Features	<ul style="list-style-type: none"> Smallest Miniature Atomic Clock CPT Technology for high reliability Low Power Consumption Replacement for Microchip CSAC SA.45s 	<ul style="list-style-type: none"> Compact Miniature Rubidium Sine wave Low cost Low power consumption PCB mountable Compatible with OCXO package 	<ul style="list-style-type: none"> AXRB1031 features 5 V Supply HCMOS output Replacement for Microchip SA.3Xm and SA5X 	<ul style="list-style-type: none"> High Stability RS-232 Interface for Control & Monitoring Replacement for obsolete Microchip X72 and SA.22c, but using standard connectors 	<ul style="list-style-type: none"> Very High Stability Ultra-Low Noise 1PPS & 10 MHz distribution amps integrated External 1PPS disciplining RS-232 Interface for Control & Monitoring
Supply	3.3 V / 1.5 W	12~15 V / 6 W	5 V / 6 W	12~18 V / 8 W	AC 230 V / 30 W
Size	45 x 36 x 14.5 mm THD Package	51 x 51 x 25 mm THD Package	51 x 51 x 25 mm THD Package	89 x 76 x 28 mm Connectorized	19" Rack - 1 HU

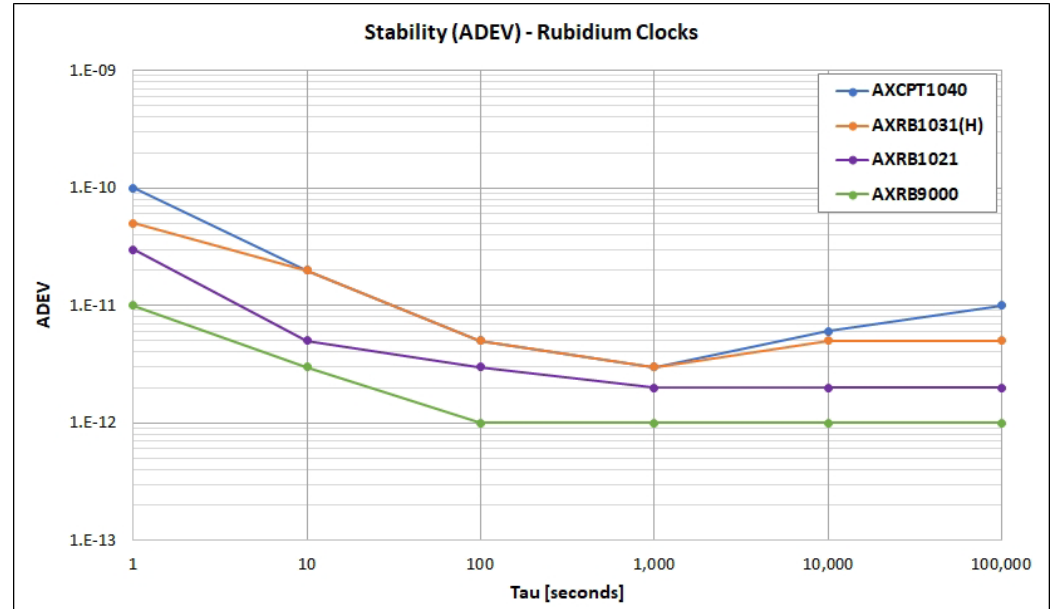


Rubidium Performance

Phase noise



Stability (ADEV)



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

