AXTAL ADVANCED XTAL PRODUCTS
a Q-TECH Company

FREQUENCY DISTRIBUTION UNITS

Model	AXDA9000 Low Noise Selective Distribution Amplifier	AXDA9100 1PPS Pulse Distribution Amplifier	AXDA9200-CU Clean-up Module with 10 MHz & 1PPS Pulse Distribution Amplifier	AXTAL References Cascadable with AXDA Series
Frequency	5 ~ 100 MHz (Fixed)	1PPS	10 MHz / 1PPS	**OCXO AXIOM9000** **GPSDO AXGPS9000** **Rubidium AXRB9000** **Rubidium AXRB Series** **Cesium AXCS Series** Combinable with Phase Noise Clean-up Modules **AXPLO10** **AXDA9200-CU**
Features	▪ Ultra-Low Phase Noise ▪ Up to 16 outputs ▪ Very high isolation: reverse/inter-channel ▪ Standard frequencies: 5, 10 and 100 MHz	▪ High Speed ▪ Up to 16 outputs ▪ TTL/HCMOS level ▪ Low pulse delay with very low variation between ports	▪ Phase Noise Clean-up of 10 MHz ▪ Ultra-Low Phase Noise ▪ 1 to 4 distribution amplifiers for 10 MHz and 1PPS (optional)	
Operation	AC Supply 100 ~ 240 V (47 ~ 63 Hz) / Operating temperature range -10°C ~ +60°C			
Size	Slim 19” Rack - 1 HU			

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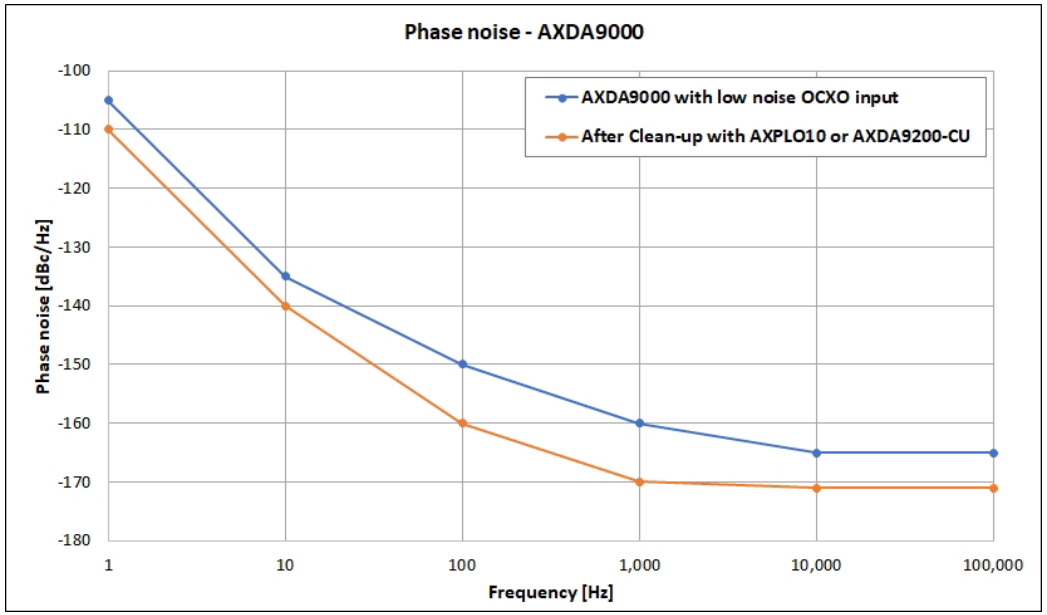
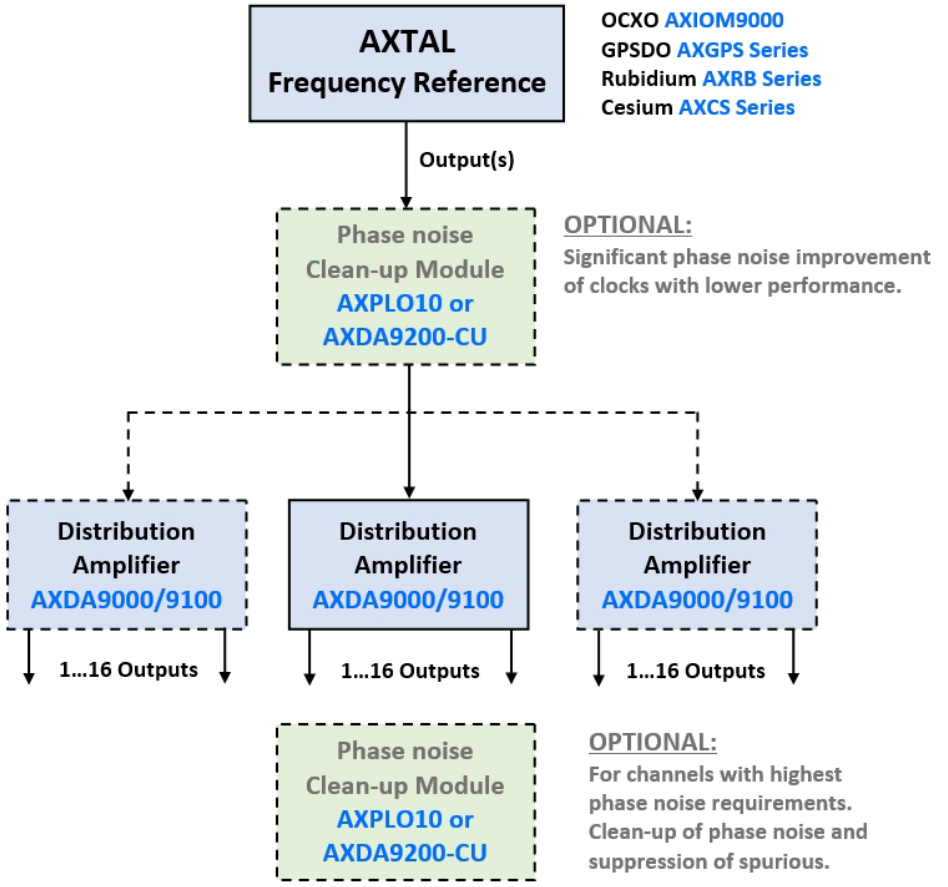
Phase Noise Performance & Block Diagram

Phase Noise Performance



AXPLO10 / AXDA9200-CU Clean-up modules also suppress spurious due to external interferences and can be used at the input of the AXDA9000 or at the output of channels with high requirements for phase noise and spectral purity.

Frequency Distribution Block Diagram



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