

HIGH-END AUDIOPHILE & VIDEO SOLUTIONS

Abrakon offers broad solutions targeting timing, synchronization, power delivery, RF and connectivity needs in professional and consumer audio/video systems.

FEATURED PRODUCTS FOR TIMING, RF, CONNECTIVITY, AND POWER

IMAGE	SERIES	DESCRIPTION	APPLICATIONS
	ABM8W, ABM10W, ABM11W, ABM12W, ABM13W	Compact, low-power and low ESR quartz crystals (up to 80MHz)	Ultra-low power MCU modules, video processors, encoders/decoders, audio codecs, wearable audio, BT/BLE, wireless modules, WiFi, M2M connectivity, time-keeping, RTC
	ABS04W, ABS05W, ABS06W, ABS07W	Compact, low-power and low ESR 32.768kHz quartz crystals	Portable audio and speakers, bluetooth headphones
	AMPM, AMJM	Compact, low-power & shock/vibration-resistant MEMS (factory configurable)	Portable wireless speakers, smart TVs, AR/VR, WiFi-enabled set-top boxes, IoT & wearable audio, drone cameras, IP video & surveillance
	ACAG, ACAR	Ultra-compact, multi-protocol chip antennas	Network devices, wireless sound systems, smart sound bars & speakers, A/V routers & switchers
	APAMS-121, APAMBJ-135	Compact dual-band WiFi/BT external whip antennas	Portable & network devices, smart speakers, IP cameras & surveillance, A/V routers & switchers, wireless sound systems
	AEACAC025009-S2400	2.4 GHz external WiFi antenna	Portable & network devices, smart speakers, IP cameras & surveillance, A/V routers & switchers, wireless sound systems
	AEACAQ190012-S2400	2.4 GHz external whip antenna (WiFi)	Set-top boxes and video, broadcast video, video routers, high-speed IP cameras and surveillance, access points
	ARJM	10/100/1000/2.5G/5G (PoE++ optional) BASE-T RJ45 LAN jacks w/ integrated magnetics (single port & multi-port)	Set-top boxes, broadcast video, IP cameras and surveillance
	ALANS, ALANC	10/100/1000/2.5G/5G BASE-T or Base-TX LAN Transformers	Battery-operated devices, portable audio and speakers, AR/VR, DC/DC supplies for RF/BT, sports and thermal cameras
	ASMPM	Miniature power chip inductor	Medium power switching supplies, battery-operated devices, portable audio, surround sound speakers, AR/VR, DC/DC supplies for RF/BT, security & broadcast cameras, TVs, microphones & projectors
	ASPI	Shielded power inductors	Industrial-grade applications, high-power switching supplies, infotainment systems, solar-powered designs, amplifiers, car speakers, microphones, medical imaging
	ASPIAIG	Automotive-grade, high-power inductors (AEC-Q200, PPAP level 3 and TS-16949 qualified)	Portable audio & speakers, AR/VR, drone cams, bluetooth headphones & wearable audio
	AWCCA	Wireless charging coils	

APPLICATIONS

Audio/video editing, SDI video capture cards, cinema projectors, surveillance equipment, video conferencing, cameras, and more.



SDI/HD-SDI



Consumer Video and HDMI



Set-top Box



Vision Systems



Virtual Reality



Pro Cameras



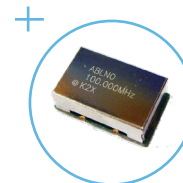
Mixers or Routers



Consumer Audio

TIMING FOR PROFESSIONAL AUDIO AND VIDEO

Offering the lowest-noise XO/VCXO for pro audio and a low-noise programmable TCXO, Abracon brings a wide variety of timing solutions for pro audio and video applications.



ABLNO

Ultra-Low Phase Noise XO / VCXO

37fs rms jitter for high-performance audio applications

Package size: 14.3 x 8.7 x 5.5mm

Frequencies: 12.288, 18.432, 24.576, 36.864, 45.1584, 49.152MHz



ASGTX5

Configurable High Frequency SMD TCXO

Any frequency ±3ppm TCXO up to 2.1 GHz available

Package size: 5.0 x 3.2 x 1.5mm

Frequencies: 148.352MHz, 148.5MHz

CONSUMER AUDIO AND VIDEO QUARTZ CRYSTALS

SAMPLE FREQUENCY (MHz)	APPLICATION
11.2896, 16.9344, 22.5792, 27.000, 33.8688, 45.1584, 54.000	Consumer CD-DA systems/CD-ROM; Sample rate: 44.1/22.05/11.025kHz
12.288, 18.432, 24.576, 36.864, 49.152	Digital audio systems/High-end audio DAT, MiniDisc, AC'97, sound cards; Sample rate: 48kHz
27.000, 28.636, 36.000, 54.000	Consumer video