

Communications & Data Centers

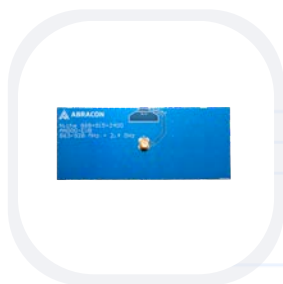
Market Solutions

Abracon is a leading supplier of crystals, clock oscillators (XOs), antennas, cellular antennas, inductors, and EMI chokes for 5G enabled network infrastructure. Solutions are used in data center servers, connected devices, routers, and switches.



Frequency Control & Timing Devices

Abracon has precision timing crystal oscillators (XOs) such as Temperature-Compensation Crystal Oscillators (TCXOs) and Oven-Controlled Crystal Oscillators (OCXOs) which are well-suited for the Timing Reference Clock requirements in timecards, servers, switches, and routers.



RF & Antennas

Abracon has the world's widest range of industry-leading antenna solutions with external IP67 rated solutions for cellular (combo 2G, 3G, 4G LTE, and 5G NR (FR1) bands, CBRS, and high-performance MIMO antennas. Our internal and embedded antenna product line includes flexible PCB, chip, active and passive patch, and stamped metal antennas to accommodate a wide range of applications.



Power & Magnetics

Abracon offers diverse power and magnetic products, providing solutions for power conversion and signal filtering. The offering features traditional VRM and TLVR technology for single and multiphase DC to DC conversion. Additionally, common mode choke options support various power and communication needs, including Ethernet data rates up to 10G Base-T standards, POE and serial comm. filtering.

Ultra-Low Phase Noise OCXOs



Features

- -148dBc/Hz @10Hz, -180dBc/Hz @10kHz
- Low G Sensitivity down to 0.5ppb/G
- Low Allan Deviation Options

LTE Niche Antenna Evaluation Board



Features

- Ultra-wide band (UWB): 600 MHz to 6 GHz
- Compact low-profile embedded designs

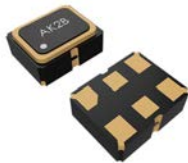
TLVR Inductors



Features

- Minimized DC losses due to low DCR
- Low Interwinding Capacitance
- High Saturation Current

ClearClock® Oscillators



Features

- Low Power Consumption
- Ultra-low Phase Noise & RMS Jitter
- Small package sizes

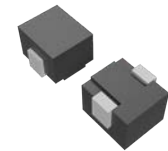
Ultra-Wideband Antennas



Features

- High Power and Energy Densities
- Low Resistance and High Peak Current

Stacked Inductors



Features

- High Power Density
- Low DCR, High Efficiency
- Shielded Construction

GPS Disciplined Clock Modules



Features

- High Synchronization Accuracy
- Holdover $\pm 1.5\mu\text{s}/24\text{H}$
- Support IEEE1588v2
- Support syncE + PTP

Onboard Surface Mount LTE Antenna



Features

- Optimized attenuation
- Low Power Consumption
- Supports Multiple LTE Bands

Learn about all of
Abracon's Communications
& Datacenter Solutions

