



Transportation

Market Solutions

Abracon offers an extensive range of crystal, oscillator, antenna, EMI choke, and inductor products are AEC-Q200 qualified and optimized for, and resistant to, the harsh operating environments commonly associated with transportation applications. Our transportation focused solutions offer enhanced efficiency, durability, performance, operating temperature range and quality when compared to traditional components making them the perfect solution for your transportation requirements.



Frequency Control & Timing Devices

Our range of automotive crystals and oscillators are TS 16949 Certified and AEC-Q200 qualified. We offer products with an operating temperature from -40 to 150 degrees Celsius in package sizes as small as 2.0 x 1.6 mm with options for 32kHz and various MHz frequency ranges.



RF & Antennas

Our antennas help you navigate to your destination and connect you and your vehicle to the world. Our range of automotive antennas include AEC-Q200 qualified internal ceramic patch and chip antennas, and IP67 puck and shark fin external antennas. Our products cover 4G/LTE, Dual Band Wi-Fi, GNSS (GPS, GLONASS, BeiDou, QZSS) and provide gain up to 5 dBi.



Power & Magnetics

Within our broad range of Power inductors, you will find inductors capable of handling up to 125A current saturation for DC-DC loads in wide operating temperature ranges up to +180°C. We also offer SMD common mode chokes for power and signal line filtering seen in powertrains and USB, CAN bus, and Ethernet communication lines.

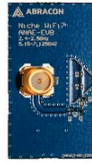
Continuous Voltage® TCXOs



Features

- Both Continuous & Fixed Vdd options
- Stabilities down to 50ppb
- HCMOS, Clipped Sine, Sinewave and Differential Output options

Wi-Fi 7 Niche Antenna Evaluation Board



Features

- Tri-Band Wi-Fi Capable
- Highly Efficient
- Low Return Loss < -6.2 dB

Common Mode Chokes



Features

- High Reliability for Signal and Power Line
- Wide impedance availability
- Superior noise suppression

MEMS



Features

- Both Continuous & Fixed Vdd Options
- Supports Multiple Waveform Outputs
- Highly Resistant to Shock & Vibration

UWB Niche Antenna Evaluation Board



Features

- High-Efficiency
- Competitive Cost Licensed Solution
- UWB Channels 5,6,8,9 (6.24 to 8.25 GHz)

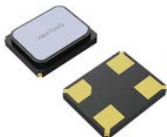
Ultra High Power Inductors



Features

- Shielded Construction
- Saturation currents up to 125A
- -55°C to +180°C OTR

Automotive MHz Crystals



Features

- AEC-Q200 Qualified
- Long-term Reliability
- Excellent Stability

Learn about all of Abracon's
Transportation Solutions

