



Military and Aerospace

Market Solutions

Abracon is a global supplier of components used in many Aerospace and Defense applications. With deployments in Air, Naval, Land, Space, as well as Personnel Equipment the industry demands the highest performances and system reliability.

Designs need to be robust to sudden temperature changes, vibration, dust, and humidity. At the same time, the highest technical performances are paramount to meet military and aerospace standards. Applications include RADAR systems, radio communications, Electronic Warfare Systems, position & guidance, and surveillance & imaging.



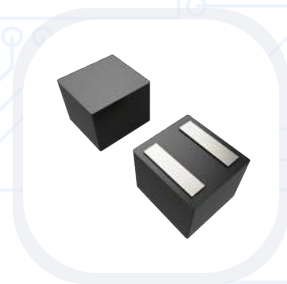
Frequency Control & Timing Devices

High-Performance Crystals and Oscillators for Demanding Aerospace and Defense Applications. Our crystals and oscillators are designed to meet the rigorous requirements of the aerospace and defense industry. They are qualified to the highest quality standards.



RF & Antennas

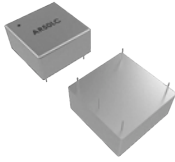
Our high-performance antennas are designed to meet the demanding needs of the aerospace and defense industry. They provide reliable communication and accurate navigation in even the most challenging environments.



Power & Magnetics

Our AEC-Q200 qualified magnetics deliver rugged reliability, current handling from 5A up to 70A for applications spanning radar to actuators, and function flawlessly in extreme aerospace temperatures up to +180°C.

Rubidium Oscillators



Features

- Precise Timing Synchronization
- Low Power Consumption <1.5W
- SA..45s Compatible
- External 1PPS Synchronization

Ultra-Low Phase Noise OCXOs



Features

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

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

High-Precision GNSS Antennas



Features

- Multi-Constellation and Multiband Support
- Fast Signal Acquisition and Tracking
- Dual-Frequency and Multi-Frequency Support

Ultra High Power Inductors



Features

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

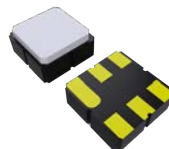
Continuous Voltage[®] TCXOs



Features

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

Precision Location SAW Filters



Features

- Optimized attenuation
- Low Power Consumption
- Supports Multiple Protocols

Learn about all of
Abracon's Aerospace
and Defense Solutions

