

Abracon's trusted timing solutions enable next-generation designs with higher performance, greater reliability, and compact size.

Continuous Voltage Oscillator Family

Abracon's Continuous Voltage Oscillators help designers utilize a common local oscillator across a varying bias voltage scheme in their system. They support low-power and battery-powered designs and feature the most common operating temperatures and stability options.



ASxDV

ASADV/ASDDV/A SEDV

FEATURES

- Continuous VDD operation from 1.6 V to 3.6 V
- Optimized for low current consumption
- Hermetically seam-sealed ceramic package
- Output enable/start and disable/stop functions
- Output waveform CMOS/HCMOS/LVCMOS compatible
- Low RMS jitter



ASxKDV

ASAKDV/ASDKDV/A SEKDV

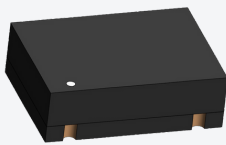
FEATURES

- Optimized for low current consumption
- Output enable/start and disable/stop function
- Output waveform CMOS/LVCMOS compatible
- Hermetically seam-sealed ceramic package
- Continuous VDD operation from 1.62 V to 3.63 V



Ultra-Performance TCXO Series

Abracon's new temperature-controlled oscillator (TCXO) series provide the ideal tradeoff between precision timing performance and small size to meet emerging 5G design requirements. The VC/TCXO devices are ideal for 5G infrastructure applications such as macro base stations (AAU, DU/CU), small cells (Micro, Pico, Femto), and Wifi-6/6E.



AST3TDA

Temperature Controlled Oscillators

FEATURES

- -40°C to +105°C operating temperature range with high stability
- Wide range of standard frequencies from 10MHz to 50MHz
- CMOS or clipped sine wave output
- Voltage-control option available
- AST3TDA-0000-T5: Low phase jitter performance at 70fs (typical)

ATX Continuous Voltage SMD TXCO Oscillators

ATX Series

FEATURES

- Both continuous and fixed Vdd options available
- Output waveforms
 - Clipped sinewave for ATX-x
 - CMOS for ATX-Hx
- Hermetically sealed ceramic package
- Low current consumption
- Moisture sensitivity level (MSL) 1
- Lead-free, RoHS and RoHS II compliant

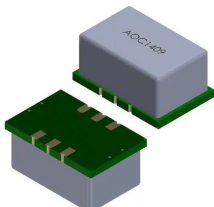


High-Stability & Ultra-Low Phase Noise SMD OCXO/VCOCXO

AOC1409 Series

FEATURES

- Extremely long-term aging: ±700ppb over 20 years
- Stability over temperature: ±10ppb over -40°C to +85°C
- Excellent phase noise: (-138dBc/Hz typ. @ 100Hz offset, -148dBc/Hz typ. @ 1kHz offset)
- 20.0MHz carrier frequency
- 14.9 x 9.7mm, 6-pin SMD reflow-solderable package
- 3.3 Vdd supply



ABS07AIG

Automotive & Industrial Grade
32.768kHz Ceramic Base SMD Crystal

FEATURES

- AEC-Q200 Qualified
- Automotive Grade 1: -40°C to +125°C
- TS16949 Production Line Certified
- PPAP Available Upon Request
- Hermetically Seam-sealed Ceramic Package
- RoHS/RoHS II Compliant and Pb free