

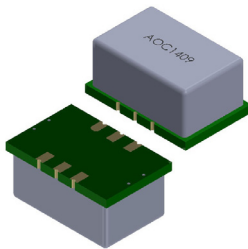
AOC1409 & AOC2012 SERIES

Stratum 3/3E OCXO/VCOCXO

High-Precision Clocking + Ultra-Low Phase Noise

SMD OCXO Oscillators

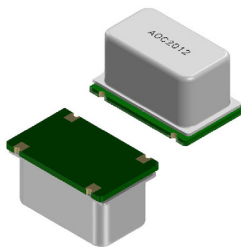
Abrakon's AOC1409 & AOC2012 SMD oven-controlled SC-Cut crystal oscillator based designs exhibit extremely low long-term aging characteristics over 20 years in both fixed and voltage-controlled LVCMOS clock output configurations. Target applications include base stations, precision GPS, cellular infrastructure, test & measurement equipment, switches & routers, and time & frequency references.



AOC1409 SMD
14.9 x 9.7mm

AOC1409 FEATURES

- 6-pin SMD reflow-solderable package
- Superior long-term aging: ± 700 ppb over 20 years
- Excellent phase noise:
 - o -115dBc/Hz typ. @ 10Hz offset
 - o -138dBc/Hz typ. @ 100Hz offset
 - o -148dBc/Hz typ. @ 1kHz offset
 - o -152dBc/Hz typ. @ 1kHz offset



AOC2012 SMD
20.32 x 12.7mm

AOC2012 FEATURES

- 4-pin SMD reflow-solderable package
- Superior long-term aging: ± 1 ppm over 20 years
- Excellent phase noise:
 - o -115dBc/Hz typ. @ 10Hz offset
 - o -135dBc/Hz typ. @ 100Hz offset
 - o -148dBc/Hz typ. @ 1kHz offset
 - o -152dBc/Hz typ. @ 1kHz offset

Series	Dimensions (mm)	Functional Options	Frequency Range	Temp Range	Stability Over OTR	Vdd Supply
AOC1409	14.9 x 9.7 x 7.0	Fixed Clock or Voltage Controlled	20MHz	-40°C to +85°C	± 10 ppb	3.3V
AOC2012	20.32 x 12.7 x 11.0		10 to 25MHz	-20°C to +70°C	± 10 ppb	