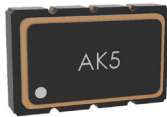


# AK5 & AK7 ClearClock™

Ultra-Low <80fs Jitter Performance @156.25MHz  
Power Optimized Oscillators

5.0 x 3.2 mm | 7.0 x 5.0 mm

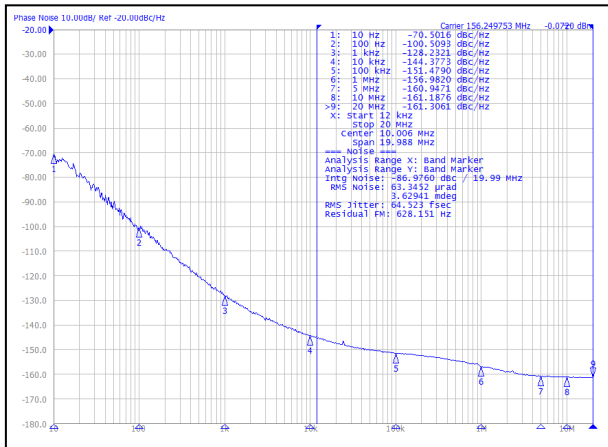


**AK5**  
5.0 x 3.2 mm

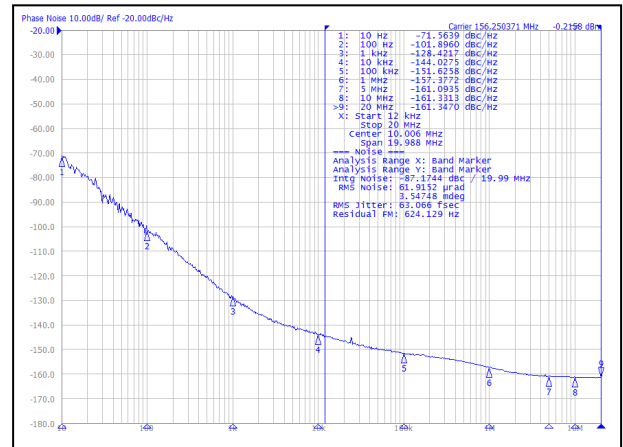


**AK7**  
7.0 x 5.0 mm

F=156.2500MHz | V<sub>dd</sub>=3.3V | LVPECL  
**RMS Phase Jitter = 64 fs**



F=156.2500MHz | V<sub>dd</sub>=3.3V | LVPECL  
**RMS Phase Jitter = 63 fs**



## FEATURES

- Exceptionally low RMS Jitter:
  - <80fs Typical, 150fs Max (@156.25MHz)
- Available in industry standard frequencies:
  - AK5: 100MHz – 200MHz
  - AK7: 100MHz – 212.5MHz
- ± 20ppm & ± 25ppm stability options available  
Over -40 to +85°C  
Dependent on Frequency
- 3.3V, 2.5V, 1.8V supply voltage options
- LVPECL, LVDS, HCSL available differential outputs
- Available in Abracon's Global Distributor Network

## APPLICATIONS

- Data Center
- PCI Express
- Test & Measurement
- Networking & Communication
- 10G/40G/100G Optical Ethernet
- RF Systems, Base Stations (BTS)