

AK5 & AK7 ClearClock™

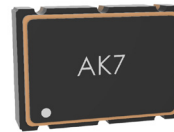
Ultra-Low <80fs Jitter Performance @156.25MHz
Power Optimized Oscillators

5.0 x 3.2 mm | 7.0 x 5.0 mm



AK5

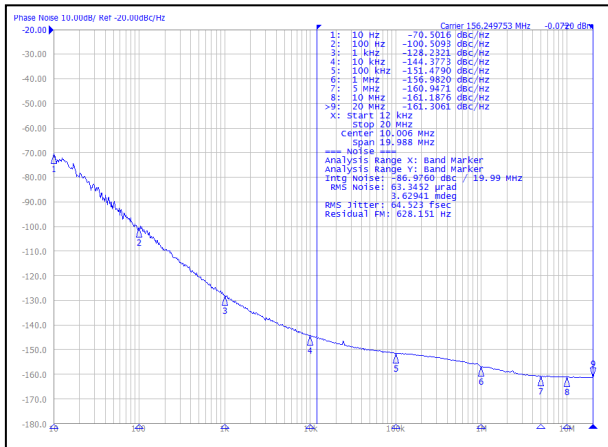
5.0 x 3.2 mm



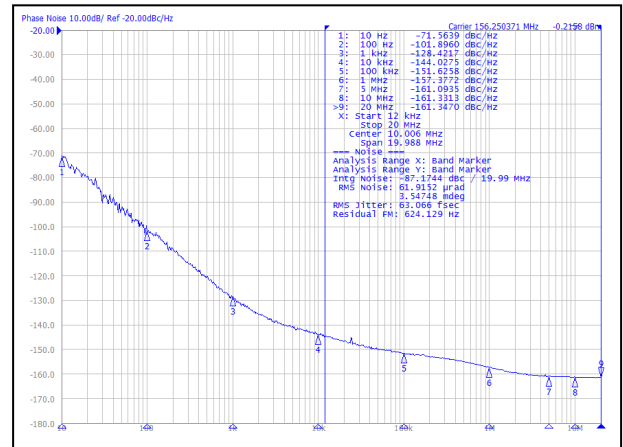
AK7

7.0 x 5.0 mm

F=156.2500MHz | V_{dd} =3.3V | LVPECL
RMS Phase Jitter = 64 fs



F=156.2500MHz | V_{dd} =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)