



# 10 things about the AWG70000 Series Arbitrary Waveform Generators

The Tektronix AWG70000 Series provides the highest performance in Arbitrary Waveform Generators available today.

1. **Tektronix is the most recognized high performance AWG manufacturer in the world with over 20 years of experience in AWG products.**
2. **Highest and Lowest Sample Rate of 1.5Ks/s – 50Gs/s in a single box solution.**
3. **Longest Waveform Memory of up to 16G Samples improving 8X over other solutions.**
4. **Signal performance matches or is better than current solutions with an SFDR spec that is up to -80dBc.**
5. **Easiest to use with a simple GUI that does not rely on external PCs, Software or External clock.**
6. **Matches Highest Frequency Response** available in a **stand-alone AWG at 20GHz**, but improves this with a 10bit DAC over others at 6 bits.
7. **Best in Class AWG available with an Analog Bandwidth of 14GHz and 10bit DAC.** The closest comparison is only 6 bits and requires an external clock source.
8. **Powerful Software** (RFX100 & SDX100) enables quick waveform creation for RF and High Speed Serial waveforms.
9. **Tektronix AWG easily supports up to 25 GBaud NRZ waveforms generation.**
10. **Tektronix AWG easily supports 12.5 GBaud PAM-4 waveforms generation.**

To find out more about the AWG70000 Series, please see <http://www.tektronix.com/AWG70000>