

ELMO 780

Femtosecond Fiber Laser 780 nm



MenloSystems

KEY SPECIFICATIONS

- Wavelength 780 nm
- Output Power >140 mW
- Pulse Length <100 fs
- Repetition Rate 100 MHz
- Smallest Footprint - no external control unit

APPLICATIONS

- Amplifier Seeding
- THz Generation & THz Physics
- Ultrafast Spectroscopy
- Multi-Photon Excitation
- 2-Photon Polymerization and 3D Printing

FEATURES

- Handheld SHG Module
- High Stability
- Low Amplitude and Phase Noise
- All-PM Solution
- Single Mode-Lock State
- figure 9® Technology

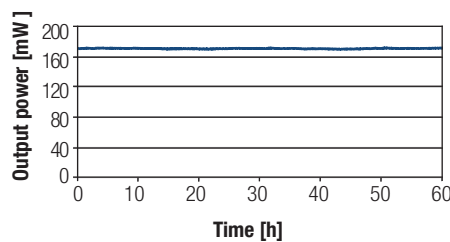
OPTIONS

- **VARIO**
User-Defined Repetition Rate
Factory-set value selectable in the 50-100 MHz range
- **MULTIBRANCH**
Additional Seed Ports
Multiple Ports with optional subsequent frequency conversion to cover multiple wavelengths

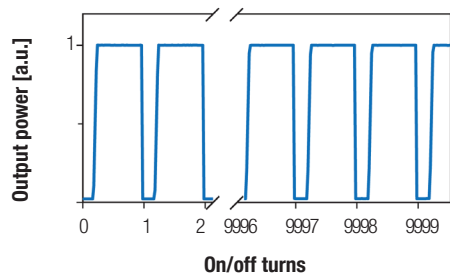
Menlo Systems' fiber-based femtosecond laser sources integrate the latest achievements in fiber technology into easy-to-use products. Menlo Systems' unique figure 9® mode locking technology results in reproducible and long-term stable operation. The ELMO 780 with its modular concept and its compact frequency doubling module is optimized for OEM integration and maximum versatility. The system is maintenance free and engineered for 24/7 operation.

PERFORMANCE DATA

Amplitude noise
< 0.5% rms (over 24h)



Reproducibility
Identical and consistent laser performance



TECHNICAL DRAWING

