

780nm Femtosecond laser

ULTRAFAST PULSED LASERS



780nm Femtosecond laser Precilasers offers ultra stable femtosecond fiber laser with narrow pulse width / large spectral width / high repetition rate and high coherent laser pulse output. It also has features of stable / long life and excellent beam quality (single mode output), can meet the strict requirement of optical frequency comb and other cutting edge applications.

- Narrow pulse width
- Robust Good Beam Quality
- Linear Polarization High Power
- Stability
- Quantum Information Ultr Fast
- Imaging Precision Measurement Optical
- Frequency Comb

Specifications

Parameter	FL-FS-780-0.1
Center Wavelength	780nm
Operational Mode	pulse
Pulse Width	<200fs
Pulse Energy	0.1-10nJ
Average Power	>100mW / >300mW / >1W
Max. Peak Power	≤50kW
Repetition Rate	40MHz-140MHz
Polarization	linear, > 20dB
Power Stability	<1% @3hours, RMS
Beam Quality	TEM00, M ² <1.1
Output Mode	Free space collimated output
Cooling	Air cooling
Cold Start	<2 hours
Warm Start	<30 minutes
Controller Size	≤483mm x 420mm x 133mm
Laser Head Size	≤90mm x 358mm x 68mm
Laser Head Weight	≤20kg
Laser Controller Weight	≤20kg
Cable Length Between Laser Head And Controller	>1.5m
Operating Temperature (No condensing)	15-30 °C (Air cooling)
Power Supply	100V-240V, AC, 50/60Hz
Power Consumption	<240W / <240W / <240W / <240W
Communication	RS422

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.