

FS-H-780A/1-50mW

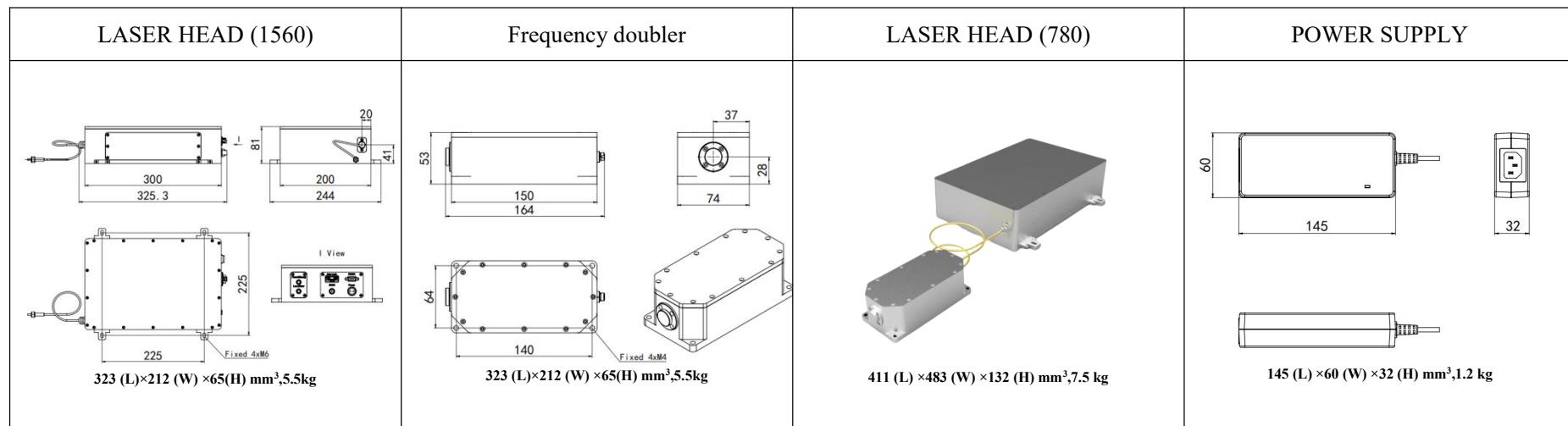
**FEMTOSECOND PULSED  
LASER AT 780nm**

All Fiber Femtosecond pulsed laser at 780nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, which is used in optical microscope, photon imaging, physics experiment, etc.



**SPECIFICATIONS**

Wavelength (nm)	780±15
Operating mode	Pulsed
Average power (mW) <sup>1</sup>	1-50
Single pulse energy (nJ)	0.1-0.6
Rep. rate (MHz)	80±2
Pulse duration (fs)	<100
Peak power (kW)	1-6
Ave power stability (rms, 4 hours±3°C)	<2%, <1%
Warm-up time (minutes)	<10
Transverse mode	TEM <sub>00</sub>
Beam divergence, full angle (mrad)	<1.0
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	<2.0
M <sup>2</sup> factor	<1.2
Polarization ratio	>100:1 Vertical
Beam height from base plate (mm)	110
Cooled method	Air cooled
Operating temperature (°C)	10-35
Power supply (100-240VAC)	12V/6.67A
Expected lifetime (hours)	>10000



1 One fixed value between 1-50mW.