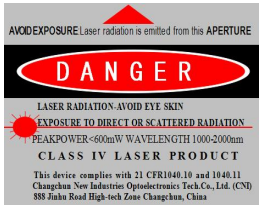
FS-H-1560-200mW(1-200mW)

FEMTOSECOND PULSED LASER AT 1560nm

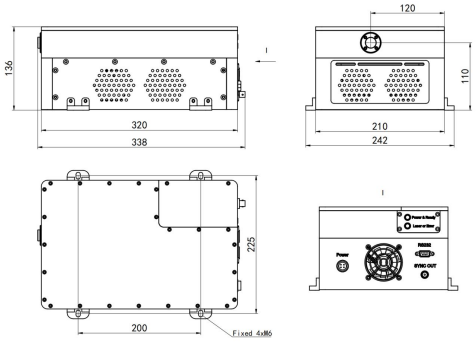
All Fiber Femtosecond pulsed laser at 1560nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, which is used in optical microscope, photon imaging, physics experiment, etc.

SPECIFICATIONS

Wavelength (nm)	1560±30
Average power (mW)	200mW (500mW@80MHz)
Single pulse energy (nJ)	2.5(2.5nJ @80MHz)
Rep. rate (MHz)	80±2MHz
Pulse duration (fs)	<50fs @80MHz,200mW.
Peak power (kW)	50kW @80MHz
Ave power stability (over 4 hours)	<1%
Warm-up time (minutes)	<10
Transverse mode	TEM_{00}
Beam quality(M^2)	<1.2
Beam divergence, full angle (mrad)	<1.0
Beam diameter at the aperture ($1/e^2$,mm)	<2
Polarization ratio	>100:1
Beam height from base plate (mm)	110
Cooled method	Air cooled
Operating temperature (℃)	15~35
Power supply (220/110VAC)	On request
Expected lifetime (hours)	10000
Warranty period	1 year



FS-H-1560-200mW



290(L) ×200(W) ×124(H) mm^3,15 kg

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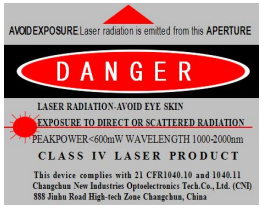
FS-H-1560-2W (200mW-2W)

FEMTOSECOND PULSED LASER AT 1560nm

All Fiber Femtosecond pulsed laser at 1560nm 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

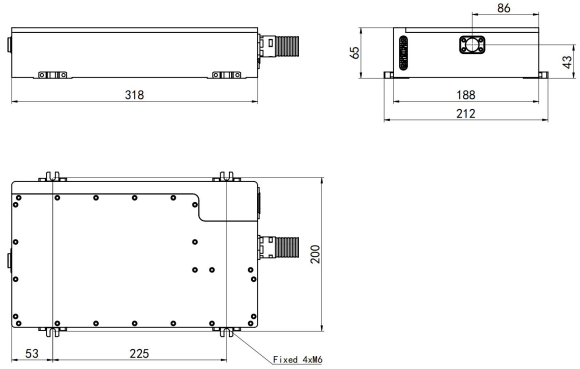
Wavelength (nm)	1560±30
Average power[1] (W)	2W (2W@80MHz)
Single pulse energy (nJ)	>25(>25nJ @80MHz)
Rep. rate[2] (MHz)	80±2MHz
Pulse duration[3] (fs)	<250fs @80MHz,2W.
Group Delay Dispersion[4](fs^2)	0 to -60000fs^2
Ave power stability (over 4 hours)	<1%
Warm-up time (minutes)	<10
Transverse mode	TEM_{00}
Beam quality(M^2)	<1.2
Beam divergence, full angle (mrad)	<1.0
Beam diameter at the aperture (1/e^2,mm)	<2
Polarization ratio	>100:1
Beam height from base plate (mm)	43
Cooled method	Air cooled
Operating temperature (℃)	15~35
Power supply (220/110VAC)	On request
Expected lifetime (hours)	10000
Warranty period	1 year



Note:

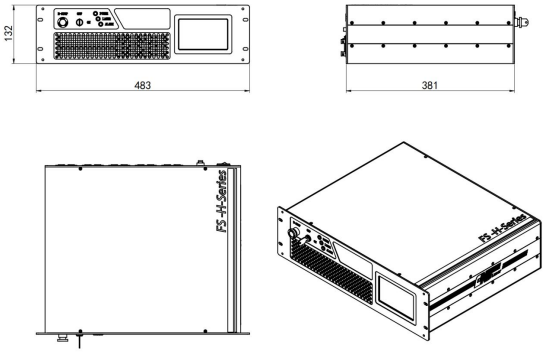
1. **Integrated AOM for fine power control and fast power modulation, and the power loss is 15%.**
2. **The repetition rate can be customized.**
3. **Assumes sech² deconvolution factor.**
4. **It can be controlled by computer.**

FS-H-1560-2W



318(L) ×188(W) ×65(H) mm³,15 kg

Power supply



483 (L) ×381(W) ×132(H) mm³, 18 kg

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