FS-H-515B/100-1000mW

FEMTOSECOND PULSED LASER AT 515nm

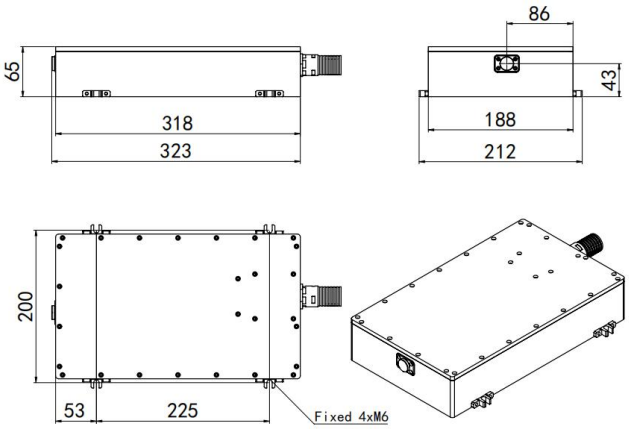
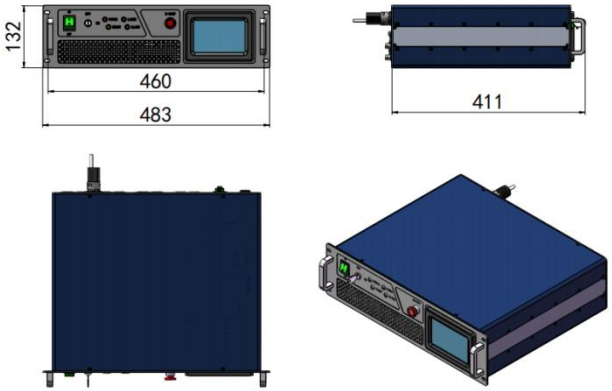
All Fiber Femtosecond pulsed laser at 515nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, which is used in optical microscope, photon imaging, physics experiment, etc.

SPECIFICATIONS

Wavelength (nm)	515±5
Operating mode	Pulsed
Average power (mW) [1]	100-1000
Single pulse energy (nJ)	1.25-12.5
Rep. rate (MHz)	80±1
Pulse duration (fs)	<150
Peak power (kW)	7.5-83
Ave power stability (rms, 4 hours±3℃)	<2%, <1%
Warm-up time (minutes)	<10
Transverse mode	TEM_{00}
Beam divergence, full angle (mrad)	<1.0
Beam diameter at the aperture ($1/e^2$,mm)	<2
M^2 factor	<1.2
Beam height from base plate (mm)	43
Polarization ratio	>100:1 Horizontal
Cooled method	Air cooled
Operating temperature (℃)	10-35
Power supply (100-240VAC)	RAD1PS
Expected lifetime (hours)	>10000





LASER HEAD	POWER SUPPLY
	
323 (L)×212 (W) ×65(H) mm³,5.5kg	**411 (L) ×483 (W) ×132 (H) mm³,7.5 kg**

1 One fixed value between 100-1000mW. Integrated AOM for fine power controlled fast power modulation, and the power loss is 15%.

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