FS-H-1030B/500-3000mW

FEMTOSECOND PULSED LASER AT 1030nm

All Fiber Femtosecond pulsed laser at 1030nm 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.

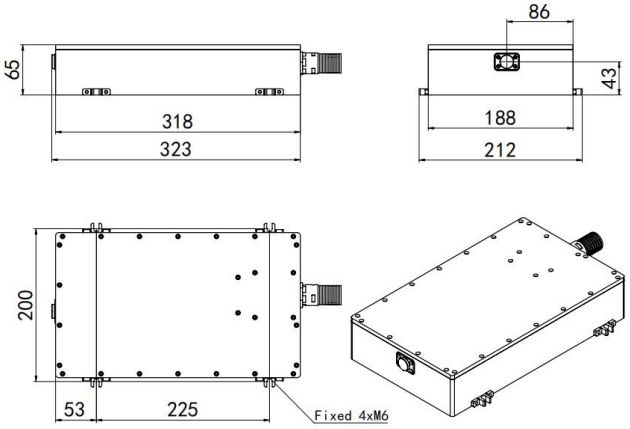
SPECIFICATIONS

Wavelength (nm)	1030±10
Operating mode	Pulsed
Average power (mW)[1]	500-3000
Single pulse energy (nJ)	6.25-30
Rep. rate (MHz)[2]	80±2
Pulse duration(fs)[3]	<150
Group Delay Dispersion(fs^2)	-60000-0
Ave power stability (rms, 4 hours±3℃)	<2%, <1%
Warm-up time (minutes)	<10
Transverse mode	TEM_{00}
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 Vertical
Beam height from base plate (mm)	43
Cooled method	Air cooled
Operating temperature (℃)	15-35
Power supply (100-240VAC)	RAD1PS
Expected lifetime (hours)	>10000



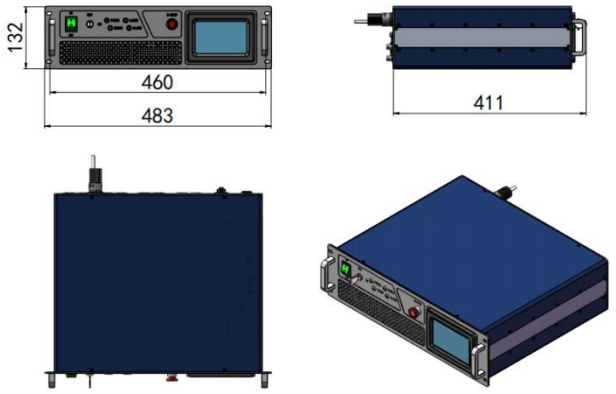


LASER HEAD



323 (L)×212 (W) ×65(H) mm^3,5.5kg

POWER SUPPLY



411 (L) ×483 (W) ×132 (H) mm^3,7.5 kg

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 $sech^2$ deconvolution factor.

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