FS-H-1030D/20-50W

FEMTOSECOND PULSED LASER AT 1030nm

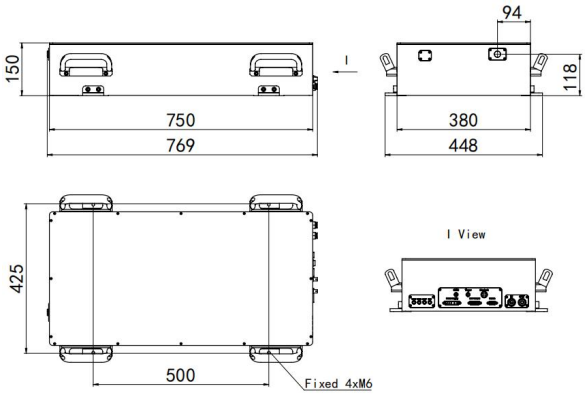
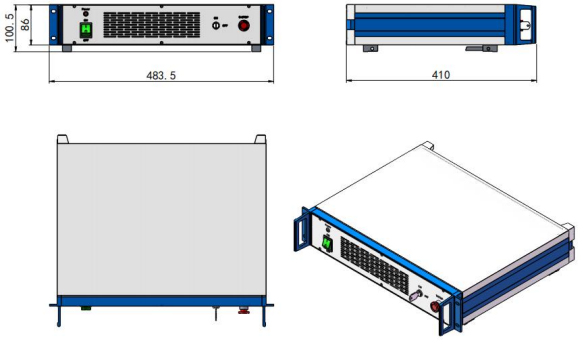
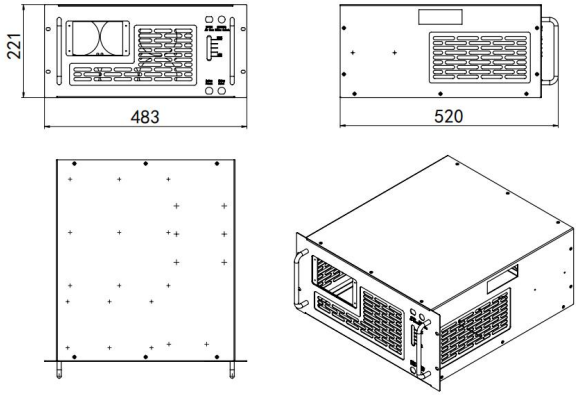
All Fiber Femtosecond pulsed laser at 1030nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, which is used in optical microscope, photon imaging, physics experiment, etc.

SPECIFICATIONS

Wavelength (nm)	1030±10
Operating mode	Pulsed
Average power (W)[1]	20-50(50W@40MHz&80MHz)
Single pulse energy (nJ)	625-1250(1250nJ@40MHz)
Rep. rate (MHz)[2]	20-120
Pulse duration (fs)[3]	<250
Group Delay Dispersion[4](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)	118
Cooled method	Water cooled
Operating temperature (℃)	15-35
Power supply (100-240VAC)	RAD1PS
Expected lifetime (hours)	>10000





LASER HEAD(DRIVER Integrated)	POWER SUPPLY	WATER CHILLER
		
769 (L)×448 (W) ×150(H) mm^3,50kg	410 (L) ×483.5 (W) ×110.5 (H) mm^3,4.5 kg	520 (L) ×483 (W) ×221 (H) mm^3,22kg

1 Integrated AOM for fine power control and fast power modulation.

2 The repetition rate can be customized.

3 Assumes sech² deconvolution factor.

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