

FS-F-1030B&515B/10-20W&2-8W

FEMTOSECOND PULSED LASER AT 1030nm&515nm

All Fiber Femtosecond pulsed laser at 1030nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, it can provide switchable output between 1030nm and 515nm, which is used in optical microscope, photon imaging, physics experiment, etc.

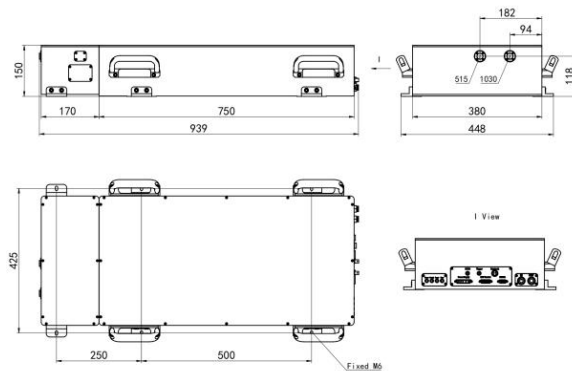


SPECIFICATIONS

Wavelength (nm) (switchable)	1030±10	515±5
Operating mode	Pulsed	
Average power (W) ¹	10-20 (20W@1MHz)	2-8 (8W@1MHz)
Single pulse energy (uJ)	10-20 (20uJ@1MHz)	2-8 (8uJ@1MHz)
Rep. rate (kHz)	100-1000	
Pulse duration (fs) ²	<300	
Peak power (MW)	28-67@1MHz	6.7-26@1MHz
Ave power stability (rms, 4 hours±3°C)	<2%, <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 Vertical	
Beam height from base plate (mm)	118	
Cooled method	Water cooled	
Operating temperature (°C)	15-35	
Power supply (100-240VAC)	RADIPS	
Expected lifetime (hours)	>10000	

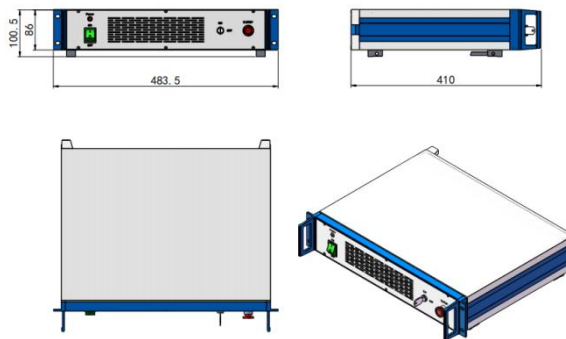


LASER HEAD (DRIVER Integrated)



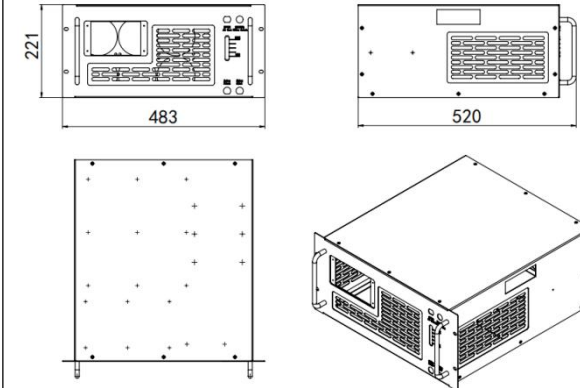
939 (L)×448 (W) ×150(H) mm³, 60kg

POWER SUPPLY



410 (L) ×483.5 (W) ×110.5 (H) mm³, 4.5 kg

WATER CHILLER



520 (L) ×483 (W) ×221 (H) mm³, 22kg

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

2 The pulse width is adjustable within the range of 300fs to 10ps.