**FS-H-515C**/1-10W

## 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.

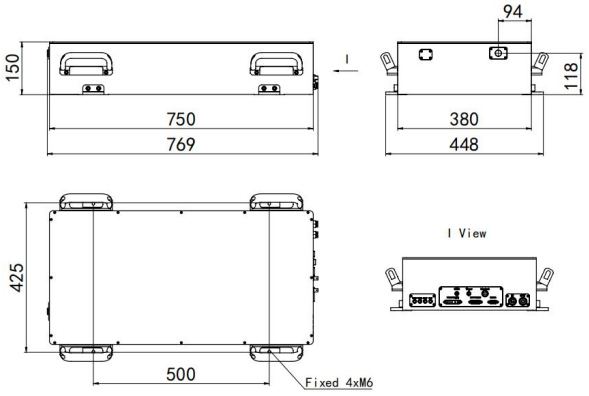
**SPECIFICATIONS**

| | |
|---|---|
| Wavelength (nm) | 515±5 |
| Operating mode | Pulsed |
| Average power (W) [1] | 1-10 (10W@40MHz&80MHz) |
| Single pulse energy (nJ) | 1-250 (250nJ @40MHz) |
| Rep. rate (MHz)[2] | 20-120 |
| Pulse duration (fs) | <250 |
| 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) | 118 |
| Polarization ratio | >100:1 Horizontal |
| Cooled method | Water cooled |
| Operating temperature (℃) | 10-35 |
| Power supply (100-240VAC) | RAD1PS |
| Expected lifetime (hours) | >10000 |



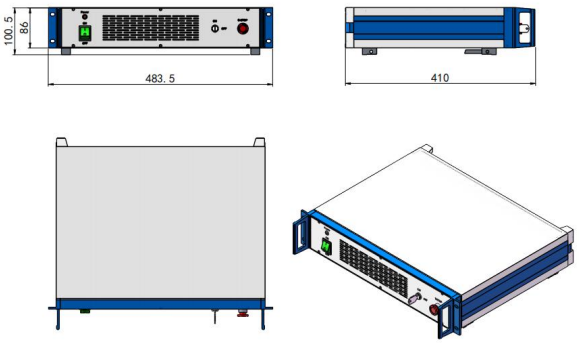



### LASER HEAD (DRIVER Integrated)



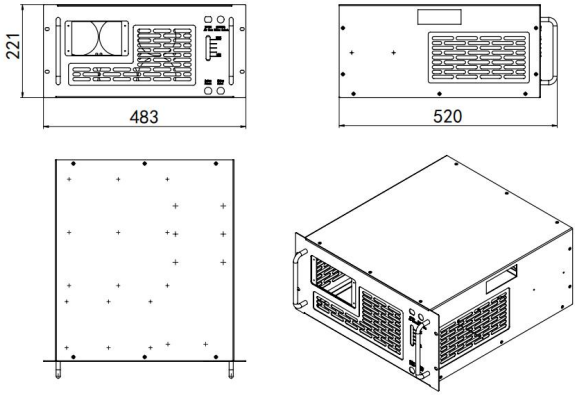

**769 (L)×448 (W) ×150(H) mm³,50kg**

### 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 One fixed value between 1-10W.

2 One fixed value between 20-120MHz.

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