



FS-H-1064-500mW(1-500mW)

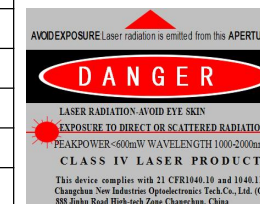
**FEMTOSECOND PULSED
LASER AT 1030nm**

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.

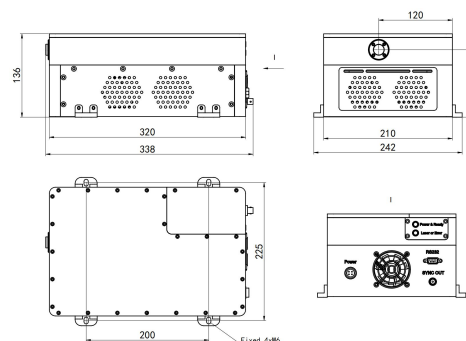


SPECIFICATIONS

| | |
|--|----------------------|
| Wavelength (nm) | 1064±5 |
| Average power (mW) | 500mW (500mW@80MHz) |
| Single pulse energy (nJ) | 6.25(6.25nJ @80MHz) |
| Rep. rate (MHz) | 80±2MHz |
| Pulse duration (fs) | <150fs @80MHz,500mW. |
| Peak power (kW) | 41.7kW @80MHz |
| Ave power stability (over 4 hours) | <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 |
| Beam height from base plate (mm) | 110 |
| Cooled method | Air cooled |
| Operating temperature (°C) | 15~35 |
| Power supply (220/110VAC) | On request |
| Expected lifetime (hours) | 10000 |
| Warranty period | 1 year |



FS-H-1064-500mW



290(L)×200(W)×124(H) mm³,15 kg



FS-H-1064-5W (500mW-5W)

FEMTOSECOND PULSED LASER AT 1064nm

All Fiber Femtosecond pulsed laser at 1064nm 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.

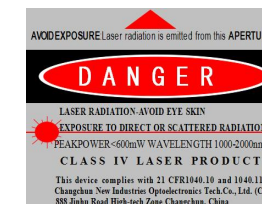


Note:

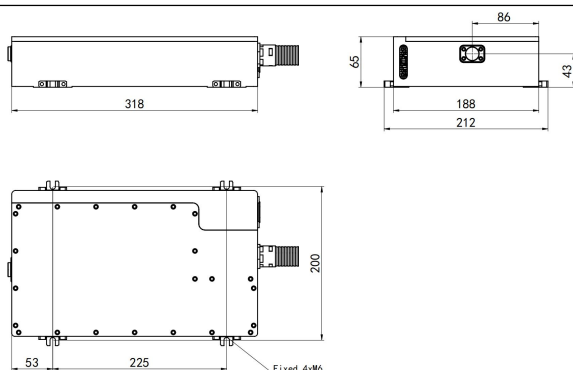
1. Integrated AOM for fine power control and fast power modulation, and the power loss is 15%.
2. The repetition rate can be customized.
3. Assumes sech² deconvolution factor.
4. It can be controlled by computer.

SPECIFICATIONS

| | |
|--|----------------------------|
| Wavelength (nm) | 1064±5 |
| Average power ¹ (W) | 5W (5W@80MHz) |
| Single pulse energy (nJ) | >62.5(>62.5nJ @80MHz) |
| Rep. rate ² (MHz) | 80 ± 2MHz |
| Pulse duration ³ (fs) | <150fs @80MHz,5W. |
| Group Delay Dispersion ⁴ (fs ²) | 0 to -60000fs ² |
| Ave power stability (over 4 hours) | <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 |
| Beam height from base plate (mm) | 43 |
| Cooled method | Air cooled |
| Operating temperature (°C) | 15~35 |
| Power supply (220/110VAC) | On request |
| Expected lifetime (hours) | 10000 |
| Warranty period | 1 year |

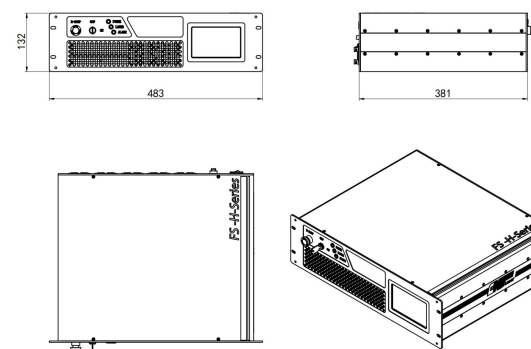


FS-H-1064-5W



318(L) × 188(W) × 65(H) mm³, 15 kg

Power supply



483 (L) × 381(W) × 132(H) mm³, 18 kg