

FS-H-1064-5W(1-5W)

**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.



SPECIFICATIONS

|  |                     |
|--|---------------------|
| Wavelength (nm)                                      | 1064±2              |
| Average power (W)                                    | 5W (5W@80MHz)       |
| Single pulse energy (nJ)                             | 62.5(62.5nJ @80MHz) |
| Rep. rate (MHz)                                      | 80±1MHz             |
| Pulse duration (fs)                                  | <300fs @80MHz,5W.   |
| Peak power (kW)                                      | 208kW @80MHz        |
| Ave power stability (over 4 hours)                   | <1%                 |
| Warm-up time (minutes)                               | <10                 |
| Transverse mode                                      | TEM <sub>00</sub>   |
| Beam quality(M <sup>2</sup> )                        | <1.2                |
| Beam divergence, full angle (mrad)                   | <1.0                |
| Beam diameter at the aperture (1/e <sup>2</sup> ,mm) | ~1                  |
| Polarization ratio                                   | >100:1              |
| Beam height from base plate (mm)                     | -                   |
| Cooled method  | Air cooled          |

