

FS-H-780-50mW(1-50mW)

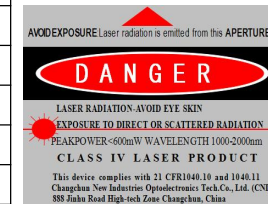
**FEMTOSECOND PULSED  
LASER AT 780nm**

All Fiber Femtosecond pulsed laser at 780nm 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.

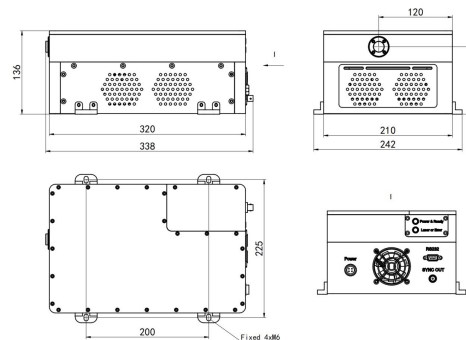


SPECIFICATIONS

Wavelength (nm)	780±15
Average power (mW)	50mW (50mW@80MHz)
Single pulse energy (nJ)	0.6(0.6nJ @80MHz)
Rep. rate (MHz)	80±2MHz
Pulse duration (fs)	<100fs @80MHz,50mW.
Peak power (kW)	6kW @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)	<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-780-50mW



290(L)×200(W)×124(H) mm<sup>3</sup>,15 kg