



# 793/808/915/976nm CW High Power Fiber Laser

## STMPHL Series



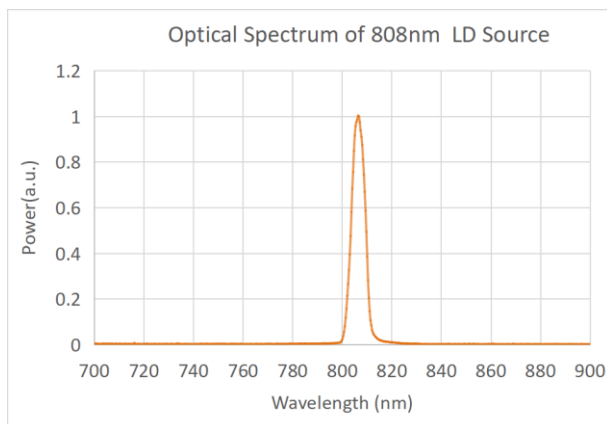
**2024 V1**

For customized projects please Contact us:

[info@simtrum.com](mailto:info@simtrum.com)

## 793/808/915/976nm CW High Power Fiber Laser

The STMHPL series integrates a high-performance semiconductor laser chip with 105/125um fiber coupling for powerful output. It includes constant current and temperature controls for laser stability and safety. Some models feature precise wavelength locking within  $\pm 3\text{nm}$  for enhanced spectral stability. This laser is suitable for medical research, fiber laser pumping, and production testing, offered in desktop or modular formats with PC monitoring software.



### Features

- High output power
- Wavelength locking
- Excellent stability of power

### Application

- Fiber laser pump
- Fiber amplifier pump
- Optics components testing

### Specifications

Optical Parameters	Unit	Typical Value		Remarks
Wavelength	nm	793/808/976	915	
Wavelength Accuracy	nm	$\pm 3$	$\pm 10$	
Spectral Linewidth	nm	3	6	
Laser Operation Mode	-	CW		
Output Power	W	5/10/2025		
Instability(15min.in)	dB	$\leq \pm 0.02$		Equivalent to $\leq \pm 0.5\%$
Instability(8 hr)	dB	$\leq \pm 0.05$		Equivalent to $\leq \pm 1.2\%$
Optical Fiber	-	105/125 $\mu\text{m}$ , NA= 0.22		Multi-mode fiber
Fiber connector	-	Bare fiber		Optional fiber optic collimator

## Specifications

General Parameters	Desktop	Module
Control Function	Keystroke / RS232 serial Communication	RS232 serial Communication
Remote control Port	DB9 Female	DB9 Female
Power Supply	AC100~240V, <20W	DC5V, <15W
Dimensions	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(H)mm
Operation Temperature	-5~+35°C	
Operation Humidity	0~70%	

Ordering Information/Product Code				
Series	Wavelength (nm)	Output Power (W)	Fiber	Packaging
MHPL	793/808/915/976	5/10/2025	MM = 105/125μm Multi-mode	M - Module
				B - Desktop