

1030/1064nm CW Single Mode Fiber Laser



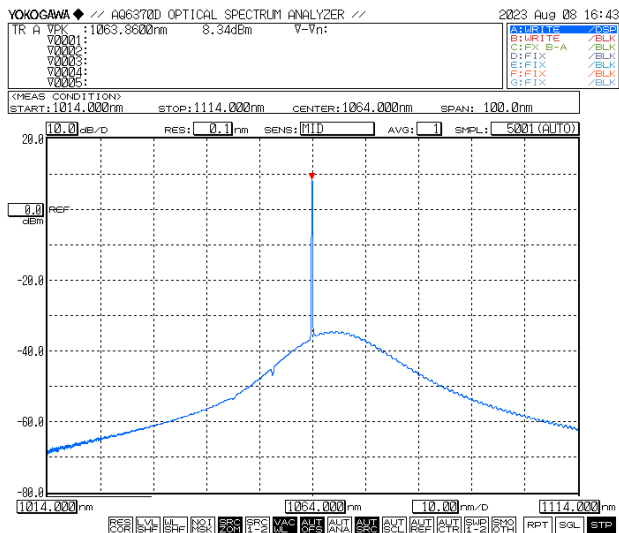
2024 V1

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1030/1064nm CW Single Mode Fiber Laser (100-500mW)

SIMTRUM's STFL series 1030/1064nm CW Single Mode Fiber Lasers deliver output power ranging from 100 to 500mW. These lasers feature a robust butterfly-shaped semiconductor chip, complemented by advanced drive and precise temperature control circuits for reliable operation. Ideal as a seed laser for high-power applications, this laser also excels in the production testing of optical devices. Available in both desktop and modular formats, they are designed to meet a variety of operational needs efficiently.



Features

- High output power
- Excellent stability
- SM/PM fiber output

Application

- Seed laser
- Fiber laser
- Nonlinear optics research

Specifications

Optical Parameters	Unit	Typical Value		Remarks
Wavelength	nm	1064		1030nm is also available
Wavelength Accuracy	nm	±2		
Spectral Linewidth	nm	<0.1		
Laser Operation Mode	-	CW		Continuous light
Output Power	mW	100/200/300/400/500		
Accuracy Working	-	10~100%		
Instability(15min.in)	dB	≤ ±0.02		Equivalent to ≤±0.5%
Instability(8 hr)	dB	≤ ±0.05		Equivalent to ≤±1.2%
Polarization State	-	Random	Linear polarization	
Optical Fiber	-	Hi 1060	PM980	
Fiber connector	-	FC/APC	FC/APC (slow axis alignment)	

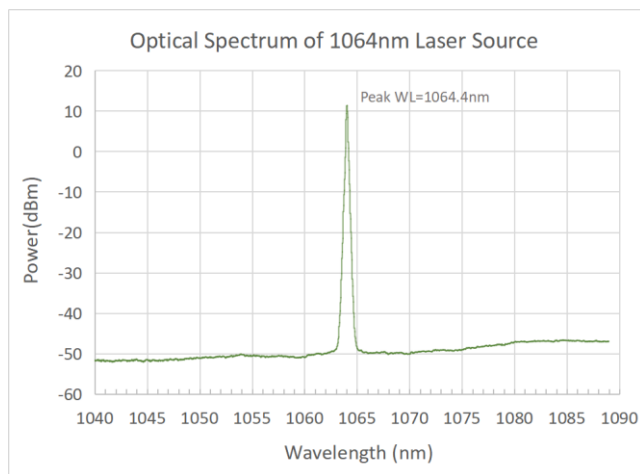
Specifications

General Parameters	Desktop	Module
Control Function	Keystroke / RS232 serial Communication	RS232 serial Communication
Remote control Port	DB9 Female	DB9 Female
Power Supply	AC100~240V, <30W	DC5V, <15W
Dimensions	260(W)×320(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 (mW)	Fiber	Packaging
STFL	1030/1064	100/200/300/400/500	SM = HI-1060	M - Module
			PM = PM980	B - Desktop

1030/1064nm CW Single Mode Fiber Laser (1-10W)

SIMTRUM's STFHL series 1030/1064nm CW Single Mode Fiber Lasers offer a powerful output range of 1-10W. These lasers feature a robust butterfly-shaped semiconductor chip, enhanced with expertly designed drive and temperature control circuits for safe and stable performance. Ideal as a seed laser for high-power applications, they are also perfect for production testing of optical devices. Available in both desktop and modular formats, these lasers are tailored to meet diverse operational needs effectively.



Features

- High output power
- Excellent stability
- SM/PM fiber output

Application

- Seed laser
- Fiber laser
- Nonlinear optics research

Specifications

Optical Parameters	Unit	Typical Value		Remarks
Wavelength	nm	1064		1030nm is also available
Wavelength Accuracy	nm	±2		
Spectral Linewidth	nm	<0.1		
Laser Operation Mode	-	CW		Continuous light
Output Power	W	1/2/5/10		
Accuracy Working	-	10~100%		
Instability(15min.in)	dB	≤ ±0.02		Equivalent to ≤±0.5%
Instability(8 hr)	dB	≤ ±0.05		Equivalent to ≤±1.2%
Polarization State	-	Random	Linear polarization	
Optical Fiber	-	Hi 1060	PM980	
Fiber connector	-	FC/APC	FC/APC (slow axis alignment)	

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, <30W	DC12V, <60W
Dimensions	260(W)×320(D)×120(H)mm	139(W)×235(D)×70(H)mm
Operation Temperature	-5~+35°C	
Operation Humidity	0~70%	

Ordering Information/Product Code				
Series	Wavelength (nm)	Output Power (W)	Fiber	Packaging
STFHL	1030/1064	1/2/5/10	SM = HI-1060	M - Module
			PM = PM980	B - Desktop