

1450/1480nm CW Single Mode Fiber Laser



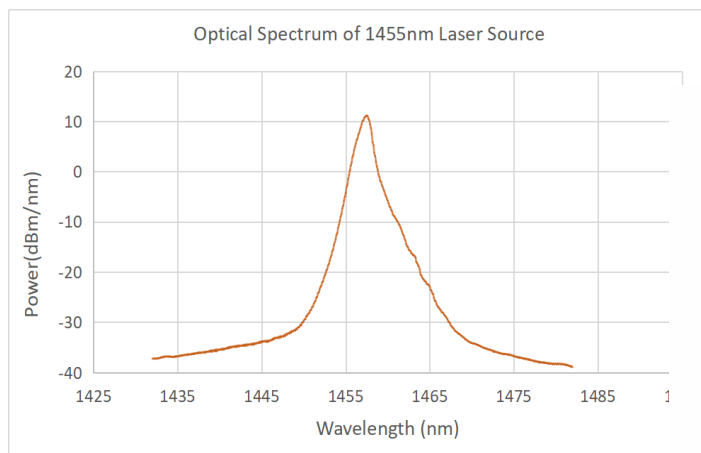
2024 V1

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1450nm CW Single Mode Fiber Laser

SIMTRUM's STFL series 1450nm CW Single Mode Fiber Laser features a high-performance butterfly-shaped semiconductor chip, optimized with professionally designed drive and temperature control circuits for reliable and stable operation. This laser is perfect for applications requiring consistent output and is available in both benchtop and modular formats to accommodate diverse setup needs.



Features

- High output power
- Power and spectral stability
- Module or desktop package

Application

- Fiber laser
- Optical components testing

Specifications

Optical Parameters	Unit	Typical Value		Remarks
Wavelength	nm	1455		1425/1435/1465 optional
Wavelength Accuracy	nm	± 3		FBG wavelength locking
Laser Operation Mode	-	CW		Continuous light
Output Power	mW	200/350/500		Customizable
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	-	SMF-28	PM1550	
Fiber connector	-	FC/APC	FC/APC (slow axis alignment)	

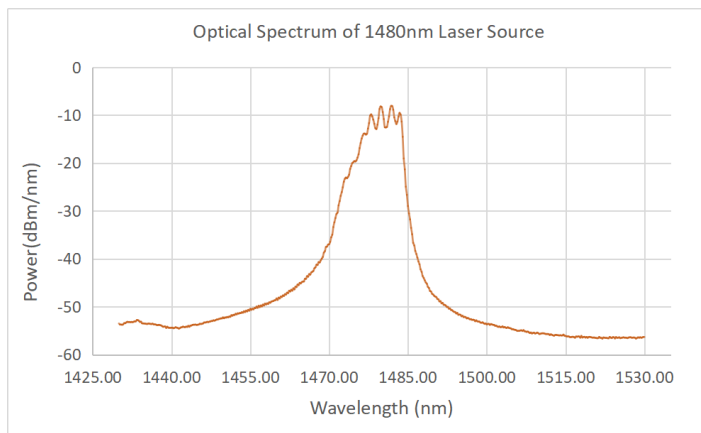
Specifications

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)×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 (mW)	Fiber	Packaging
STFL	1425/1435/1455/1465	200/350/500	SM = SMF-28	M - Module
			PM = PM1550	B - Desktop

1480nm CW Single Mode Fiber Laser

SIMTRUM's STFL Series 1480nm CW Fiber Laser employs high-performance semiconductor laser chips and advanced drive and temperature control circuits for reliable operation and safety. Offering consistent output power and spectral stability, this laser is ideal as a pump source for fiber lasers or EDFA fiber amplifiers. Available in both desktop and modular configurations to suit various application needs.



Features

- High output power
- Power and spectral stability
- Module or desktop package

Application

- Erbium-doped fiber pumping
- Fiber laser
- Optical components testing

Specifications

Optical Parameters	Unit	Typical Value		Remarks
Wavelength	nm	1480		
Wavelength Accuracy	nm	± 10		FBG wavelength locking
Laser Operation Mode	-	CW		Continuous light
Output Power	mW	200/400/500/800		Customizable
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	-	SMF-28	PM1550	
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)×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 (mW)	Fiber	Packaging
STFL	1480	200/400/500/800	SM = SMF-28	M - Module
			PM = PM1550	B - Desktop