974/976nm CW Single Mode Fiber Pump Laser

2024 V1

For customized projects please Contact us:

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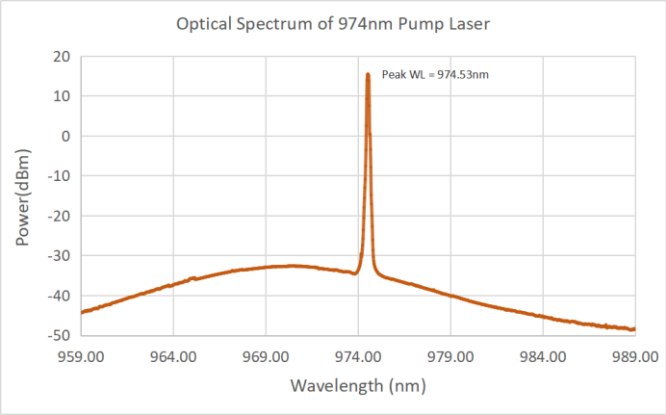
The SIMTRUM 974/976nm CW Single Mode Fiber Pump Laser is precision-engineered with a butterfly semiconductor chip and Fiber Bragg Grating (FBG) for stable wavelength locking. This ensures consistent performance with a secure operation, thanks to the professionally designed driver and robust temperature control circuits. It's an ideal pump source for fiber lasers and amplifiers, offering versatility with desktop or modular package options. Designed for reliability, this laser provides stable output power and a clean spectrum, tailored for excellence in optical amplification.



Features

- Hight 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	974/976		
Wavelength Accuracy	nm	±1		
Laser Mode	-	CW		Continuous light
Output Power	mW	200/400/600/1000		
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, <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(mW)**	**Fiber**	**Packaging**
STFL	974/976	200/400/600/1000	SM - HI 1060	M – Module
			PM - PM 980	B - Desktop

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