

# 1064nm Single Mode Narrow Linewidth Laser



## DESCRIPTION

Single mode narrow linewidth laser module is a special product of our company. It is equipped with standard I / O interface, which can be easily embedded into the user's whole system and realize very stable single mode narrow linewidth laser output. The product has built-in optimized optical feedback power stabilization module and Tec refrigeration module, which makes the product have good spectral characteristics and power stability characteristics. Customized and secondary development services can be provided according to customer requirements.

## FEATURES

- Wavelength stability  $\pm 0.005\text{nm} / ^\circ\text{C}$
- High power single mode fiber coupled output
- USB settings
- Low power consumption, typical power consumption <4W

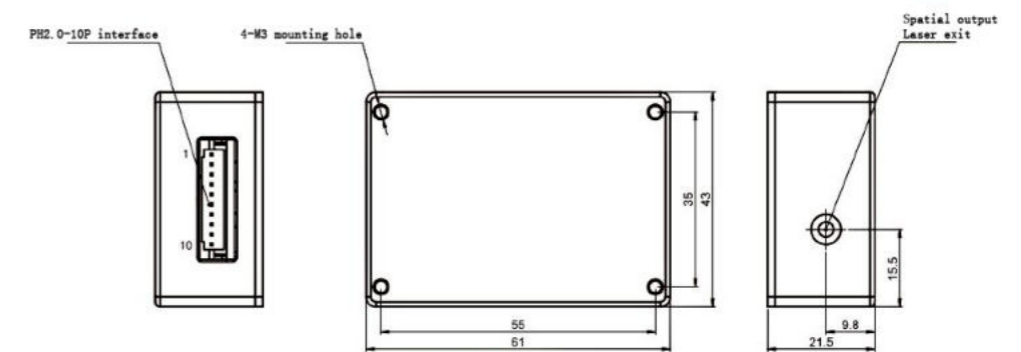
## APPLICATION

- Confocal microscope
- Raman spectrometer
- Fluorescence Spectrometer
- Up-conversion material
- Laser particle size analyzer

## PARAMETERS

Model	CL1064-SIF(FA)-120mW-NLS003	
Optical Parameter	Central Wavelength (nm)	1064
	Output Power (mW)	120
	Wavelength Tolerance (nm)	$\pm 0.5$
	Line Width (nm)	<0.1
	Wavelength Stability	$\pm 0.005\text{nm} @ 8\text{H}$
	Power Stability	$\pm 1.0\% @ 8\text{H}$
	Side Mode Rejection Ratio (dB)	>40
System Parameter	Power Adjustment Range	0 ~ 100%
	Preheat Time (min)	15
	Control Interface	PH2.0-10P, USB
	Fiber Interface	FC/APC
	Adaptive Optical Fiber	6 $\mu\text{m}$ , 0.14NA
	Power Input	4.9V-5.1V @2A
	System Power Consumption (W)	<4
	Storage Humidity	0~80%RH
	Storage Temperature ( $^\circ\text{C}$ )	0~70
	Operating Temperature ( $^\circ\text{C}$ )	10 ~ 35
System Weight (g)	<150	
System Size (mm)	76.2 x 63.5 x 22	

## OUTLINE SIZE(mm)



Unit:mm

