

1064nm Multimode Narrow Linewidth Laser



DESCRIPTION

The narrow linewidth laser module is a special product of our company. It is equipped with standard input and output interfaces, which can be easily embedded into the user's whole system to achieve very stable 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 $\pm 0.007\text{nm} / ^\circ\text{C}$
- Power stability $<\pm 1.0\%$
- Low power consumption, typical advantages $<5\text{W}$
- Small size, $76.2 \times 63.5 \times 22\text{mm}$
- Optional USB control interface, hardware lock

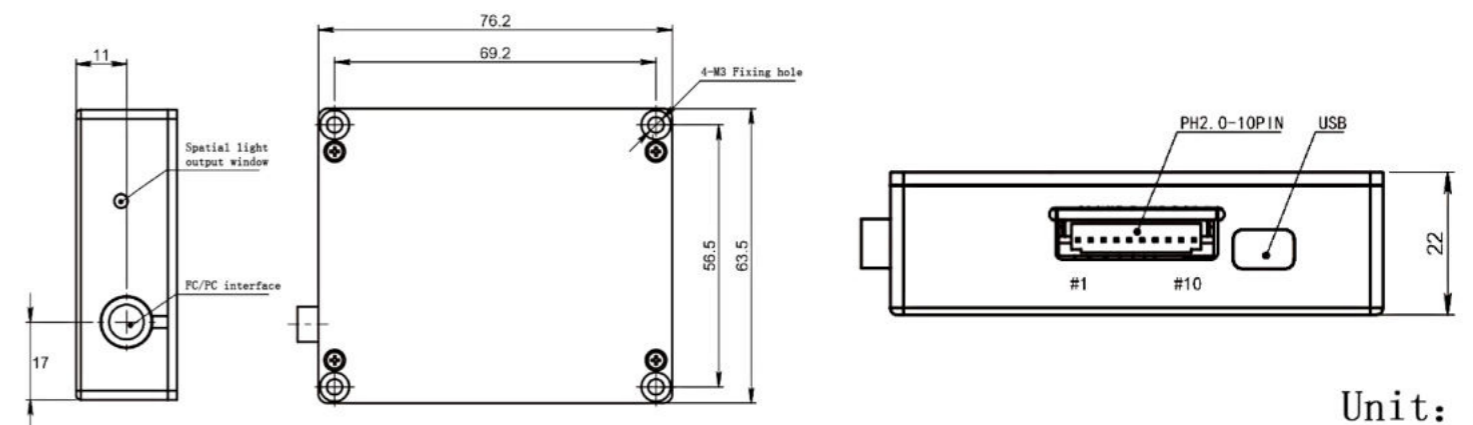
APPLICATION

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

PARAMETERS

Model	CL1064-MIW-500mW-NLO009	CL1064-MIF(FP)-500mW-NLO010	
Optical Parameter	Central Wavelength (nm)	1064	1064
	Output Power (mW)	500	500
	Wavelength Tolerance (nm)	± 0.5	± 0.5
	Line Width (nm)	<0.1	<0.1
	Wavelength Stability	$\pm 0.007\text{nm} @8\text{H}$	$\pm 0.007\text{nm} @8\text{H}$
	Power Stability	$\pm 0.1\% @8\text{H}$	$\pm 0.1\% @8\text{H}$
	Side Mode Rejection Ratio (dB)	40	40
System Parameter	Power Adjustment Range	0~100%	0~100%
	Preheat Time (Min)	15min	15min
	Control Interface	PH2.0-10P, USB	PH2.0-10P, USB
	Fiber Interface	Space light	FC/PC
	Adaptive Optical Fiber	105um,0.22NA	105um,0.22NA
	Power Input	4.9V-5.1V @2A	4.9V-5.1V @2A
	System Power Consumption (W)	<5	<5 W
	Storage Temperature ($^\circ\text{C}$)	0~55	0~55
	Storage Humidity (RH)	0~80%RH	0~80%RH
	Operating Temperature ($^\circ\text{C}$)	10~35 (Need to install a radiator)	10~35 (Need to install a radiator)
System Weight (g)	<150	<150	
System Size (mm)	$76.2 \times 63.5 \times 22$	$76.2 \times 63.5 \times 22$	

OUTLINE SIZE(mm)



Unit: mm

