

# 808nm Multimode Narrow Linewidth Laser Module of NLO Series



## 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

## APPLICATIONS

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

Model	CL808-MIW-600mW-NLO003	CL808-MIF(FP)-600mW-NLO004
Central Wavelength (nm)	808	808
Wavelength Tolerance (nm)	$\pm 0.5$	$\pm 0.5$
Output Power (mW)	600	600
Line Width (nm)	$<0.3$	$<0.1$
Wavelength Stability	$\pm 0.007\text{nm} @ 8\text{H}$	$\pm 0.007\text{nm} @ 8\text{H Typ}$
Power Stability	$\pm 0.1\% @ 8\text{H}$	$\pm 1.0\% @ 8\text{H}$
Side Mode Rejection Ratio (dB)	30	30
Power Adjustment Range	0~100%	0~100%
Preheat Time (Min)	15	15
Fiber Interface	Space Light	FC/PC
Control Interface	PH2.0-10P, USB	PH2.0-10P, USB
Adaptive Optical Fiber	105 $\mu\text{m}$ , 0.22NA	105 $\mu\text{m}$ , 0.22NA
Power Input	4.9V-5.1V @2A	4.9V-5.1V @2A
System Power Consumption (W)	$<5$	$<5$
Storage Temperature ( $^\circ\text{C}$ )	0~55	0~55
Storage Humidity (RH)	0~80%	0~80%
Operating Temperature ( $^\circ\text{C}$ )	10~35	10~35
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)

