

473 nm Single Longitudinal Mode Blue Laser MSL-FN-473

Model #: MSL-FN-473

Description: All-solid-state single longitudinal mode blue laser at 473 nm MSL-FN-473 features ultra-compact, long lifetime, low cost and easy operation.

Application: DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.

Specifications

| | | |
|---|--|---------------|
| Wavelength (nm) | 473 ± 1 | |
| Output Power (mW) | >1, 5, 10,....., 50 | >50, ..., 100 |
| Power Stability (rms, over 4 hours) | < 1%, 2%, 3% | <2%, 3%, 5% |
| Transverse Mode | TEM00 | |
| Operating Mode | CW | |
| Longitudinal Mode | Single | |
| Spectrum Linewidth (nm) | <0.00001 | |
| Coherent Length (m) | >50 | |
| Amplitude Noise (rms, 1 ~ 20 MHz) | <1%, typical 0.5% | |
| M ² Factor | <1.2 | |
| Warm-up Time (minutes) | <10 | |
| Beam Diameter at Aperture (1/e ² , mm) | <2.5, typical 2.0 | |
| Beam Divergence, Full Angle (mrad) | <1.2 | |
| Polarization Extinction Ratio | >100:1, vertical +/-5 degrees, (horizontal optional) | |
| Pointing Stability after Warm up (mrad) | <0.05 | |
| Beam Height from Base Plate (mm) | 27.4 | |
| Operating Temperature (C°) | 10 ~ 35 | |
| Power Supply (90-264VAC or 5V DC) | PSU-H-FDA | |
| Expected Lifetime (hours) | 10000 | |
| Warranty Period | 1 year | |

Note: Laser head must be placed on a heat sink with good head dissipation

Ordering Information: MSL-FN-473-A-B

| A: maximum output power | B: power stability |
|-------------------------|--------------------|
| 30 - 30 mW | 1 - 1% |
| 50 - 50 mW | 2 - 2% |
| 100 - 100 mW | 3 - 5% |
| | 5 - 5% |

