

MDL-C-660/1-80mW



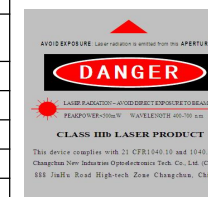
**LONG COHERENT LENGTH  
DIODE LASER AT 660nm**

It features a long coherent length, stable wavelength, long lifetime and easy operation. They are widely used in holography, interference, fluorescence, photoetching, flow cytometry, DNA sequencing, Raman spectroscopy, Laser radar, precision measurement, etc.

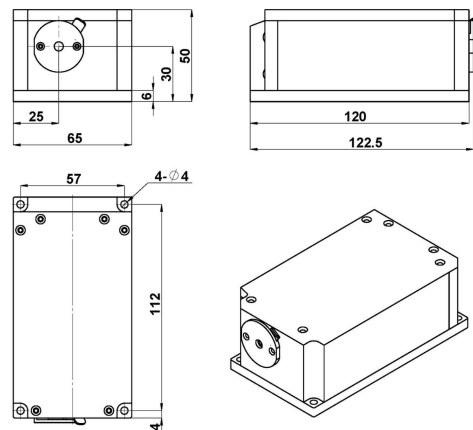


SPECIFICATIONS

|                                                       |                                                                     |
|-------------------------------------------------------|---------------------------------------------------------------------|
| Central wavelength (nm)                               | 660±1                                                               |
| Operating mode                                        | CW                                                                  |
| Output power (mW) <sup>1</sup>                        | 1-80                                                                |
| Power stability (rms, 4 hours ± 3°C)                  | <3%, <2%, <1%                                                       |
| Frequency shift (pm) (over ±2°C and 2hrs)             | <20                                                                 |
| Transverse mode                                       | Near TEM <sub>00</sub>                                              |
| Coherent length (m) <sup>2</sup>                      | >1                                                                  |
| M <sup>2</sup>                                        | <1.5                                                                |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | ~1.3                                                                |
| Beam divergence, full angle (mrad)                    | <1.5                                                                |
| Polarization ratio                                    | >50:1, (>100:1 optional)<br>Horizontal±5 degree (Vertical optional) |
| Warm-up time (minutes)                                | <5                                                                  |
| Cooled method                                         | Conduction                                                          |
| Beam height from base plate (mm)                      | 30                                                                  |
| Operating temperature (°C)                            | 20-30                                                               |
| Power supply (100-240VAC)                             | PSU-A-D                                                             |
| Expected lifetime (hours)                             | >10000                                                              |



LASER HEAD



122.5 (L) × 65 (W) × 50 (H) mm<sup>3</sup>, 1.0kg

POWER SUPPLY<sup>3</sup>



162 (L) × 144 (W) × 70 (H) mm<sup>3</sup>, 1.0kg

1 Any power level can be selected in this range.

2 Michelson Interferometer Method Measurement.

3 Output power adjustable 10-100%; RS232 control optional.

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