

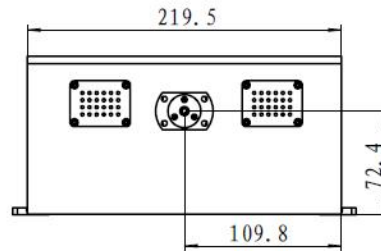
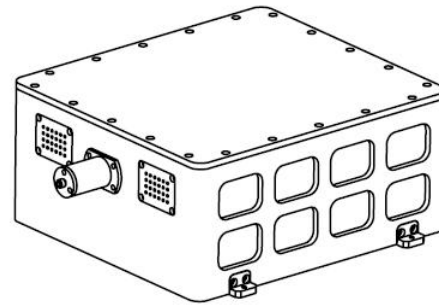
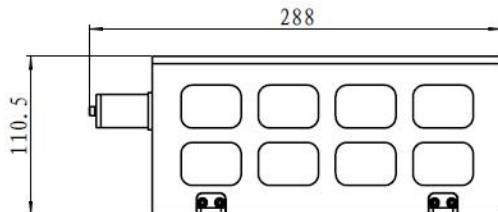
## ■ Features

- ◆ High output power of 70W
- ◆ 400μm/0.22NA multimode optical fiber
- ◆ Center wavelength 520±10nm

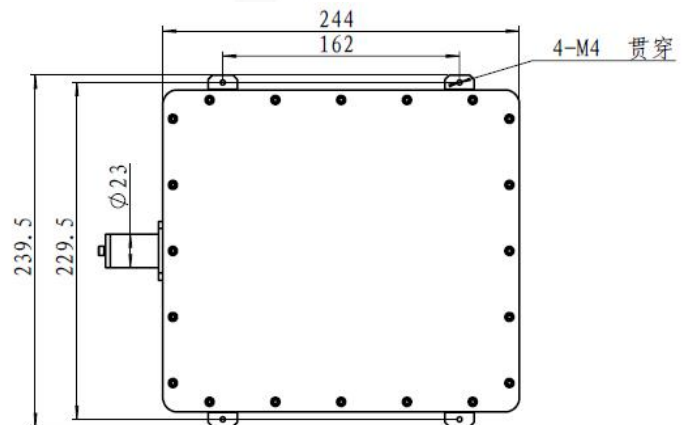
## ■ Applications

- ◆ Scientific Research
- ◆ Lighting
- ◆ Medical Application

## Outline Dimension (mm)



| Pin-out Assignment |          |     |                        |
|--------------------|----------|-----|------------------------|
| Pi                 | Function | Pin | Function               |
| 1                  | LD1(+)   | 13  | LD7(+)                 |
| 2                  | LD1(-)   | 14  | LD7(-)                 |
| 3                  | LD2(+)   | 15  | LD8(+)                 |
| 4                  | LD2(-)   | 16  | LD8(-)                 |
| 5                  | LD3(+)   | 17  | LD9(+)                 |
| 6                  | LD3(-)   | 18  | LD9(-)                 |
| 7                  | LD4(+)   | 19  | Thermistor             |
| 8                  | LD4(-)   | 20  | Thermistor             |
| 9                  | LD5(+)   | 21  | Indicating light (+5v) |
| 10                 | LD5(-)   | 22  | Indicating light (0v)  |
| 11                 | LD6(+)   | 23  | PD(N)                  |
| 12                 | LD6(-)   | 24  | PD(P)                  |



## Typical Device Performance (20°C)

|                                | Min | Typical   | Max  | Unit |
|--------------------------------|-----|-----------|------|------|
| <b>Optical</b>                 |     |           |      |      |
| CW Output Power                | -   | 70        | -    | W    |
| Center Wavelength              | -   | 520±10    | -    | nm   |
| Spectral Width (90% of Power)  | -   | 4.0       | -    | nm   |
| <b>Electrical*</b>             |     |           |      |      |
| Threshold Current              | -   | -         | 0.50 | A    |
| Operating Current (Simplex)    | -   | 4         | 4    | A    |
| Operating Voltage (Simplex)    | -   | 20        | -    | V    |
| <b>Indicating light</b>        |     |           |      |      |
| Output Power                   | -   | 2         | -    | mW   |
| Center Wavelength              | -   | 650±10    | -    | nm   |
| Operating Current              | -   | <30       | -    | mA   |
| Operating Voltage              | -   | 5         | -    | V    |
| <b>Fiber*</b>                  |     |           |      |      |
| Fiber Core Diameter            | -   | 400       | -    | μm   |
| Numerical Aperture             | -   | 0.22      | -    | -    |
| Fiber Length                   | -   | 1-5       | -    | m    |
| Fiber Connector                | -   | FC/SMA905 | -    | -    |
| Fiber Armor                    | -   | Optional  | -    | -    |
| Fiber Minimum Bending Diameter | 75  | -         | -    | mm   |

The power supply mode of the laser has nine power supplies. Refrigeration method water cooling.

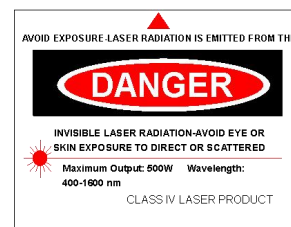
## Absolute Rating

|                                       | Min | Max | Unit |
|---------------------------------------|-----|-----|------|
| Operating Temperature                 | 15  | 35  | °C   |
| Operating Relative Humidity           | -   | 75  | %    |
| Storage Temperature                   | -20 | 80  | °C   |
| Storage Relative Humidity             | -   | 90  | %    |
| Lead Soldering Temperature (10 s max) | -   | 250 | °C   |

\* Measuring specifications.

All figures in this specification are measured by CNI's method and may contain measurement deviations.

The above specifications are for reference purpose only and subjected to change without prior notice.



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