



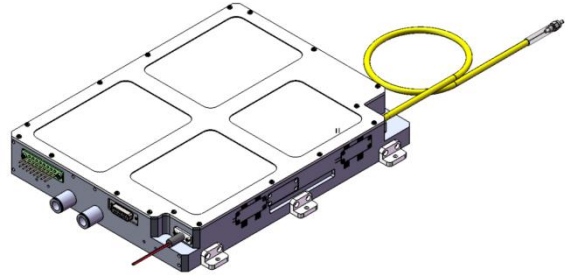
450nm Laser Diode

■ Features

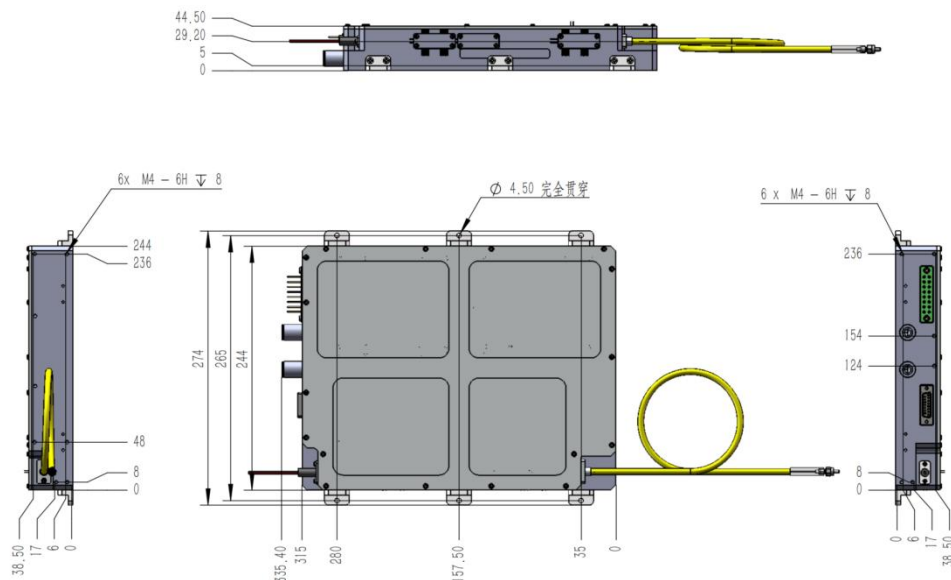
- ◆ High output power of 200W
- ◆ 105μm/0.22NA multimode optical fiber
- ◆ Center wavelength 450±10nm

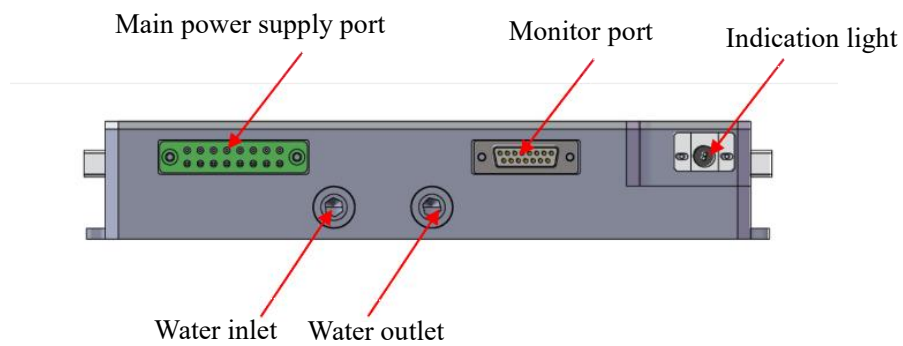
■ Applications

- ◆ Scientific Research
- ◆ Lighting
- ◆ Medical Application



Outline Dimension (mm)





Main power supply port

	1	2	3	4	5	6	7	8
The first row	LD1+	LD5+	LD2+	LD6+	LD3+	LD7+	LD4+	LD8+
The second row	LD1-	LD5-	LD2-	LD6-	LD3-	LD7-	LD4-	LD8-

Monitor port

	1	2	3	4	5	6	7	8
The first row	NTC1	NTC1	NTC2	NTC2	PD+	PD-	-	-
	9	10	11	12	13	14	15	
The second row	-	-	-	-	-	-	-	-

■ Optional built-in PD

Typical Device Performance (25°C)

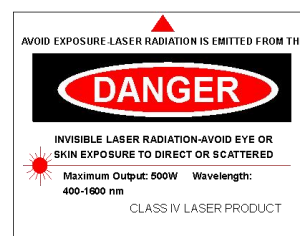
	Min	Typical	Max	Unit
Optical				
CW Output Power	-	200	-	W
Center Wavelength	-	450 ± 10	-	nm
Spectral Width (90% of Power)	-	4.0	-	nm
Electrical*				
Threshold Current	-	0.3	-	A
Operating Current (Simplex)	-	3	-	A
Operating Voltage (Simplex)	-	35	-	V
Indicating light				
Output Power	-	<2	-	mW
Center Wavelength	-	650 ± 20	-	nm
Operating Current	-	100	-	mA
Operating Voltage	-	2.3	-	V
Fiber*				
Fiber Core Diameter	-	200	-	µm
Numerical Aperture	-	0.22	-	-
Fiber Length	-	1-5	-	m
Fiber Connector	-	SMA908/ D80/ QBH	-	-
Fiber Armor	-	Optional	-	-
Fiber Minimum Bending Diameter	400	-	-	mm

Absolute Rating

	Min	Max	Unit
Operating Temperature	15	35	°C
Operating Relative Humidity	-	75	%
Storage Temperature	-20	50	°C
Lead Soldering Temperature (10 s max)	-	250	°C
Refrigeration method	Water cooling		-
Pipe specifications	Outside diameters 12mm*Inside diameters 8mm		-
Water discharge	10L/ min		-

* 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.

Changchun New Industries Optoelectronics Tech. Co., Ltd
<http://www.cnilaser.com>

◆ CONTACT

No.888, JinHu Road, High-tech zone, Changchun
130103, R.P. China

Phone: 0086-431-85603799

Fax: 0086-431-89216068