

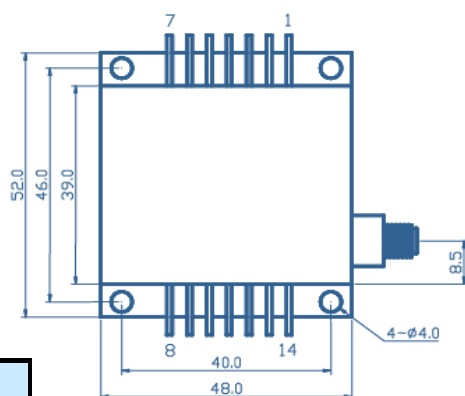
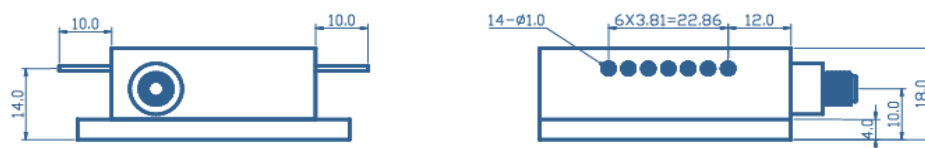
Characteristics
<b>Output Power 50W</b>
<b>Wavelength: 808nm</b>
<b>Fiber Coupling 400μm</b>
<b>Fiber Core Dia. 0.22NA</b>
Applications
<b>Laser pumping, Medical use, Material processing</b>

Parameter		Symbol	Typical	Unit
Optical	CW Out Power	$P_{op}$	50	W
	Center Wavelength	$\lambda$	808±3	nm
	Spectral Width (90% of Power)	$\Delta\lambda$	<3	nm
	Wavelength Shift width Temperature	$\Delta\lambda/\Delta T$	0.3	nm / °C
Electrical	Threshold Current	$I_{th}$	1.8	A
	Operating current	$I_{op}$	10.0	A
	Operating Voltage	$V_{op}$	10.8	V
	Slop Efficiency	$\eta_{es}$	6.0	W / A
	Power Conversion Efficiency	$\eta_{ep}$	45	%
Fiber	Fiber Core Diameter	$d_{core}$	400	μm
	Numerical Aperture	NA	0.22	-
	Connector	-	SMA905	-

## Other Parameters

Parameter	Operating Temperature/°C	Operating Relative Humidity/%	Storage Temperature/°C	Storage Relative Humidity/%	Lead Soldering Temperature, 10s max/°C
Min	10	-	-20	-	-
Max	40	75	80	90	250

## Package Dimensions (mm)



Pins and Functions			
Pin	Function	Pin	Function
1	LD(+)	8	Aiming Beam LD(+)
2	PD(N)	9	Aiming Beam LD(-)
3	PD(P)	10	-
4	Thermistor	11	-
5	Thermistor	12	-
6	-	13	Connector Detector(-), Case*
7	LD(-)	14	Connector Detector(+)



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

### ◆ CONTACT

No.888, Jinhu Road, High-tech zone, Changchun  
 130103, China

Phone: 0086-431-87033597

Fax: 0086-431-87033597

