



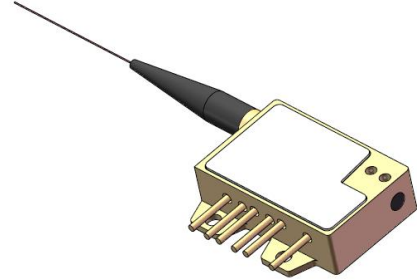
808/976/1064nm Laser Diode

■ Features

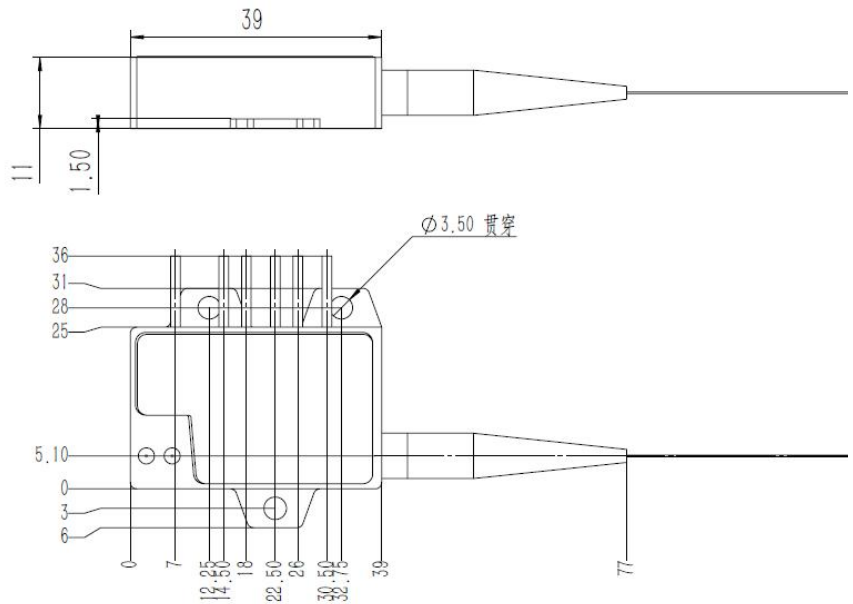
- ◆ High output power of 10/10/10W
- ◆ 200μm/0.22NA multimode optical fiber

■ Applications

- ◆ Medical Application



Outline Dimension (mm)



Pin-out Assignment

Pin	Function
1	808+
2	808-
3	976+
4	976-
5	1064+
6	1064-
7	
8	
9	
10	

Typical Device Performance

	Typical			Unit
Optical				
Center Wavelength	808	976	1064	nm
CW Output Power	10	10	10	W
Spectral Width (90%Energy)	5			nm
Wavelength Shift with Temperature	0.3			nm/°C
Electrical				
Threshold Current	1.3	1.3	1.4	A
Operating Current	13	13	14	A
Operating Voltage	1.8	1.5	1.8	V
Slope Efficiency	0.85	0.85	0.85	W / A
Power Conversion Efficiency	43	50	40	%
Fiber*				
Fiber Core Diameter	200			μm
Fiber Cladding Diameter	220			μm
Numerical Aperture	0.22			-
Fiber Length	2			m
Fiber Connector	-			-

* Customized fiber and connector available.

Absolute Ratings

	Min	Max	Unit
Operating Temperature	0	40	°C
Operating Relative Humidity	20	60	%
Storage Temperature	-20	60	°C
Storage Relative Humidity	20	80	%
Lead Soldering Temperature (10 s max)	260	300	°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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