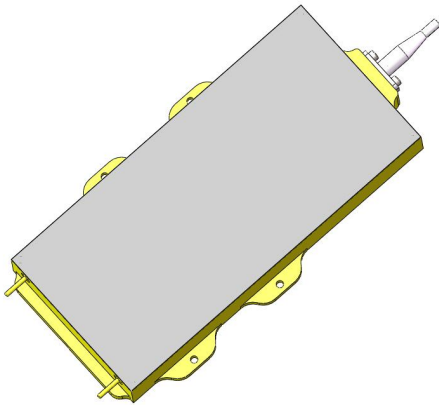


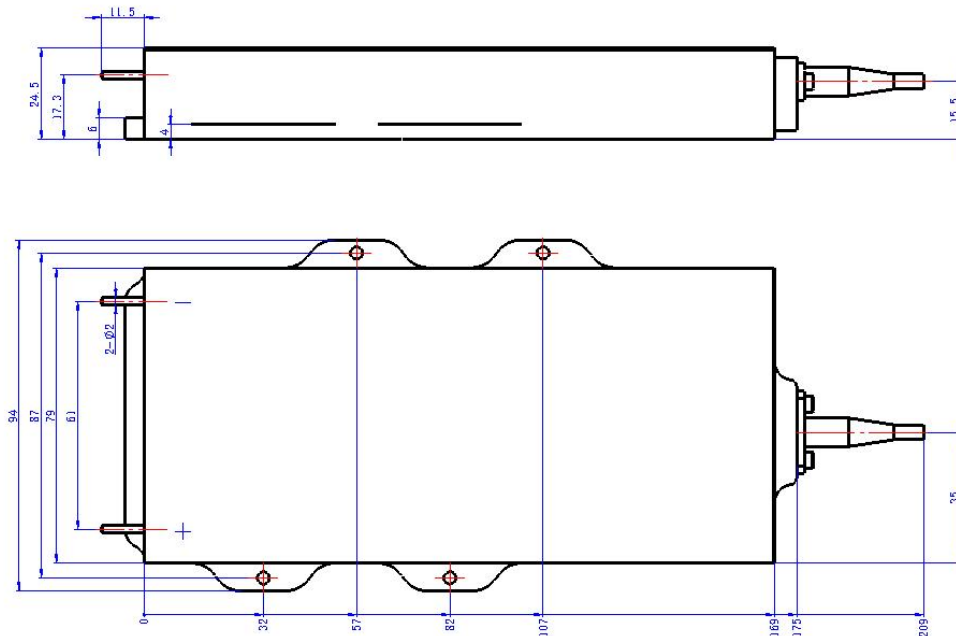
## High Power Laser Diode Module



- Features**
- ◆ High output power of 560 W
  - ◆ 200μm/0.22NA multimode optical fiber
  - ◆ Center wavelength 976±3nm

- Applications**
- ◆ Fiber laser pumping
  - ◆ Material processing

## Package Dimensions (mm)



## Typical Device Performance (25°C)

	Min	Typical	Max	Unit
<b>Optical</b>				
CW Output Power	-	560	-	W
Center Wavelength	973	976	979	nm
Spectral Width (FWHM)	-	6	-	nm
Wavelength Shift with Temperature	-	0.3	-	nm /°C
Feedback Protection (1800-2100nm)	-	>30	-	dB
Light Within 0.18NA	-	95%	-	-
<b>1Electrical</b>				
Threshold Current	-	1.1	-	A
Operating Current	-	-	26.5	A
Operating Voltage	-	-	43	V
Power Conversion Efficiency	-	50	-	%
<b>Fiber*</b>				
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	15	35	°C
Operating Relative Humidity	-	75	%
Cooling	-	Water	-
Storage Temperature	-30	80	°C
Storage Relative Humidity	-	90	%
Lead Soldering Temperature, 10 s max	-	260	°C

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