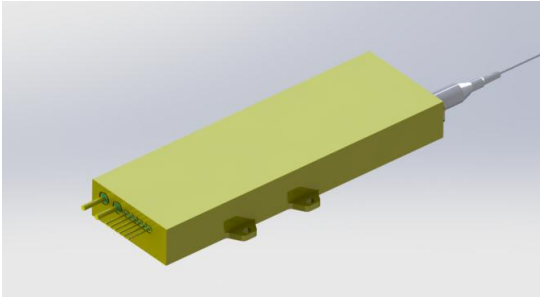
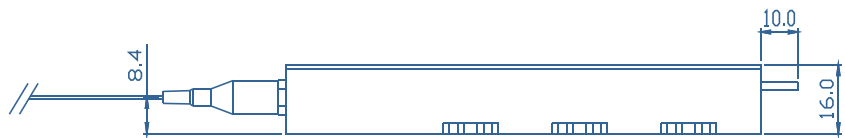
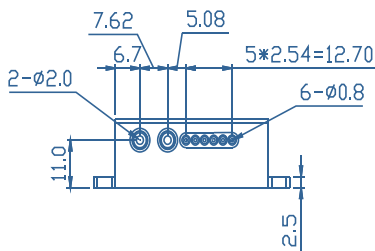


C- Series High Power Laser Diode Module

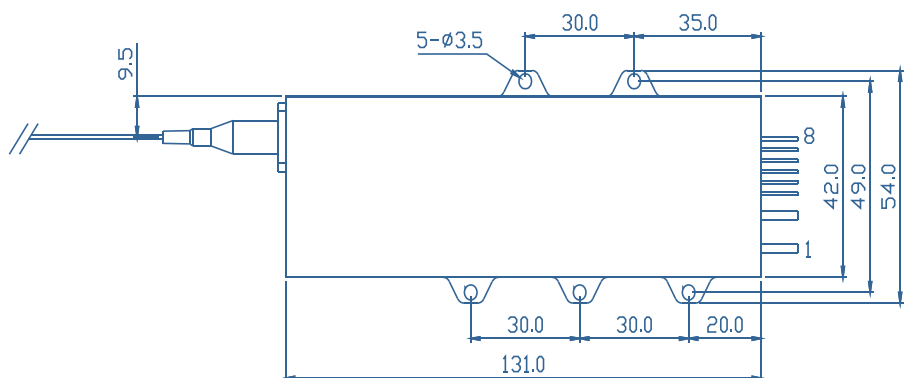


- Features**
- ◆ High output power of 120 W
 - ◆ 400μm/0.22NA multimode optical fiber
 - ◆ Center wavelength $808 \pm 3\text{nm}$
- Applications**
- ◆ Solid-state laser pump source
 - ◆ Material surface treatment

Package Dimensions (mm)



Pin-out Assignment	
Pin	Function
1	LD (-)
2	LD (+)
3	Aiming Beam(+5V)*
4	Aiming Beam(0V)
5	PD (N)
6	PD (P)
7	Thermistor
8	Thermistor



*Built-in constant power circuit, 5V power supply needed.

Typical Device Performance (25°C)

	Min	Typical	Max	Unit
Optical				
CW Output Power	-	120	-	W
Center Wavelength	-	808±10	-	nm
Spectral Width (90% of Power)	-	<10.0	-	nm
Wavelength Shift with Temperature	-	0.35	-	nm / °C
Feedback Protection (1030-1100nm)	-	>40	-	dB
Electrical				
Threshold Current	-	1.8	-	A
Operating Current	-	9.4	10.0	A
Operating Voltage	-	26.1	27	V
Slope Efficiency	-	15.8	-	W / A
Power Conversion Efficiency	44	49	-	%
Aiming laser				
CW Output Power	-	2	-	mW
Center Wavelength	-	650±10	-	nm
Operating Current	-	<30	-	mA
Operating Voltage	-	<2.5	-	V
Fiber*				
Fiber Core Diameter	-	400	-	μm
Fiber Cladding Diameter	-	440	-	μm
Fiber Buffer Diameter	-	700	-	μm
Numerical Aperture	-	0.22	-	-
Fiber Length	-	1-5	-	m
Fiber Connector	-	-	-	-

* Customized fiber and connector available.

Absolute Ratings

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

This instruction is for reference only. Han's TCS improves its products continually, therefore may change specifications without notice to customers, for details, please contact with Han's TCS sales.

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