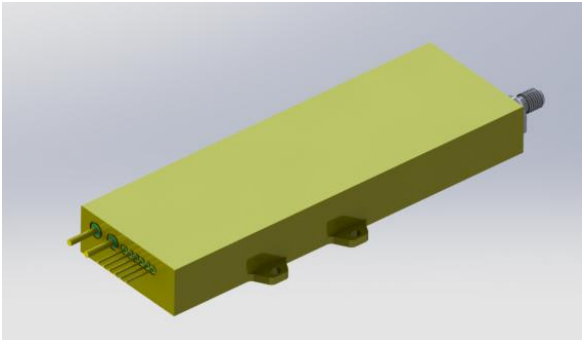


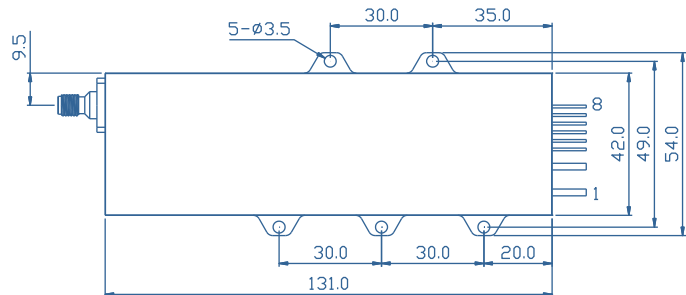
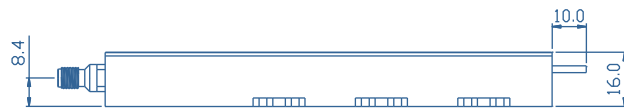
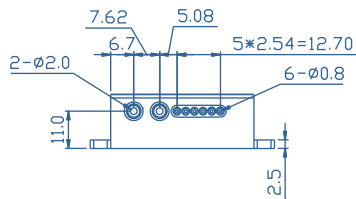
C-Series High Power Laser Diode Module



- Features**
- ◆ Output Power 30W
 - ◆ Fiber 200μm/0.22NA
 - ◆ Center Wavelength 1470±10nm

- Application**
- ◆ Medical

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-

Typical Device Performance (25°C)

	Min.	Typical	Max.	Units
Optical				
CW Output Power	-	30	-	W
Center Wavelength	-	1470±10	-	nm
Spectral Width (90% power)	-	<10.0	-	nm
Wavelength Shift with Temperature	-	0.3	-	nm/°C
0.18NA	-	>95%	-	-
Electrical				
Threshold Current	-	0.6	-	A
Operating Current	-	9.8	10.5	A
Operating Voltage	-	21.88	33	V
Slope Efficiency	-	3.2	-	W/A
Power Conversion Efficiency	11	14	-	%
Aiming				
CW Output Power		2.5		mW
Center Wavelength		650±10		nm
Operating Current		-		
Operating Voltage		5.0		V
Fiber *				
Fiber Core Diameter	-	200	-	μm
Fiber Cladding Diameter	-	220	-	μm
Fiber Buffer Diameter	-	500	-	μm
Numerical Aperture	-	0.22	-	-
Fiber Length	-	1-5	-	m
Fiber Connector	-	-	-	-

* Customized fiber and connector available.

Absolute Ratings

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