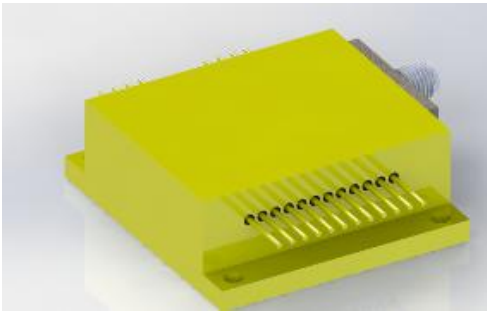
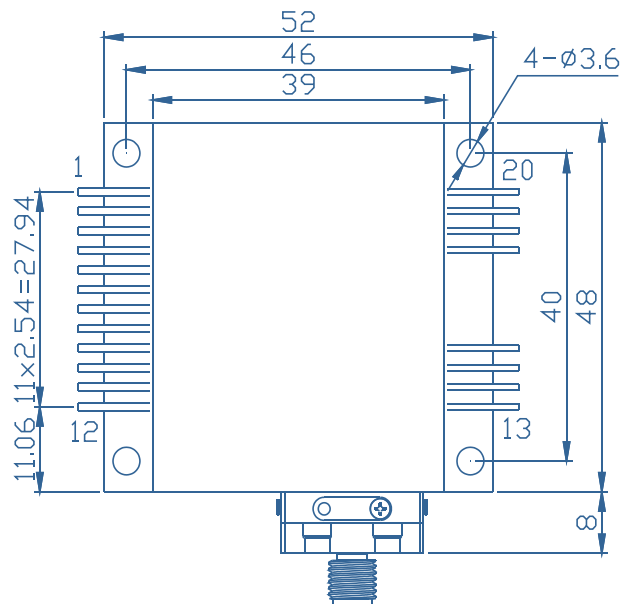
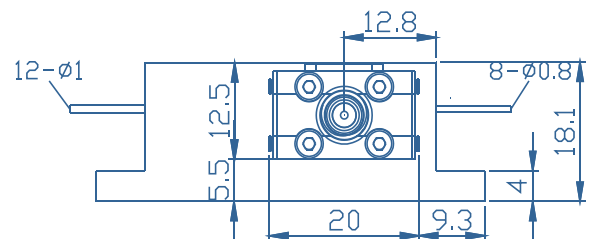
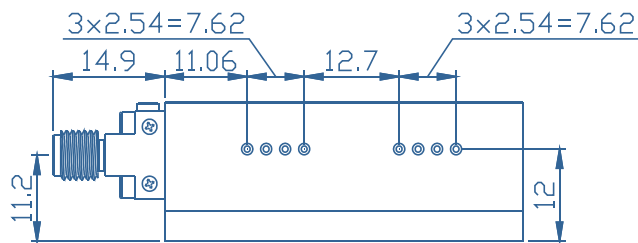


G-Series High Power Laser Diode Module



- Features**
- ◆ High output power of 8/10/8 W
 - ◆ 200μm/0.22NA multimode optical fiber
 - ◆ Center wavelength 1064/980/808±10nm
- Applications**
- ◆ Medical application

Package Dimensions (mm)



Pin-out Assignment

Pin	Function	Pin	Function
1	1064 LD (+)	11	Aiming Beam(+)
2	1064 LD (-)	12	Aiming Beam(-)
3	980 LD (+)	13	Fiber Connector Detector LED(-)
4	980 LD (-)	14	Fiber Connector Detector LED(+) Fiber Connector Detector PD(N)
5	808 LD (+)	15	Fiber Connector Detector PD(P)
6	800 LD (-)	16	PD (N)
7	-	17	-
8	-	18	PD (P)
9	-	19	Thermistor
10	-	20	Thermistor

Typical Device Performance (25°C)

	Typical			Unit
CW Output Power	8	10	8	W
Center Wavelength	1064±10	980±10	808±10	nm
Spectral Width (90% of Power)	4			nm
Wavelength Shift with Temperature	0.3			nm /°C
Electrical				
Threshold Current	1.85	1.4	1.2	A
Operating Current	11.3	12.1	9.5	A
Operating Voltage	1.5	1.7	1.78	V
Slope Efficiency	0.8	0.9	0.96	W / A
Power Conversion Efficiency	47	48	47	%
Aiming laser **				
CW Output Power	2			mW
Center Wavelength	640±10			nm
Operating Current	<20			mA
Operating Voltage	5			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	SMA905			-

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

**Customized fiber and connector available.

Absolute Ratings

	Min	Max	Unit
Operating Temperature	15	35	℃
Operating Relative Humidity	-	75	%
Cooling Mode	-	Water cooling (25℃)	-
Storage Temperature	-20	80	℃
Storage Relative Humidity	-	90	%
Lead Soldering Temperature (10 s max)	-	250	℃

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