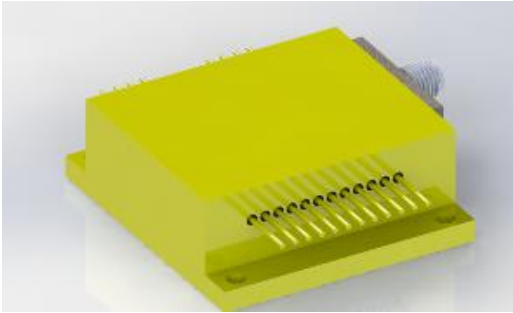
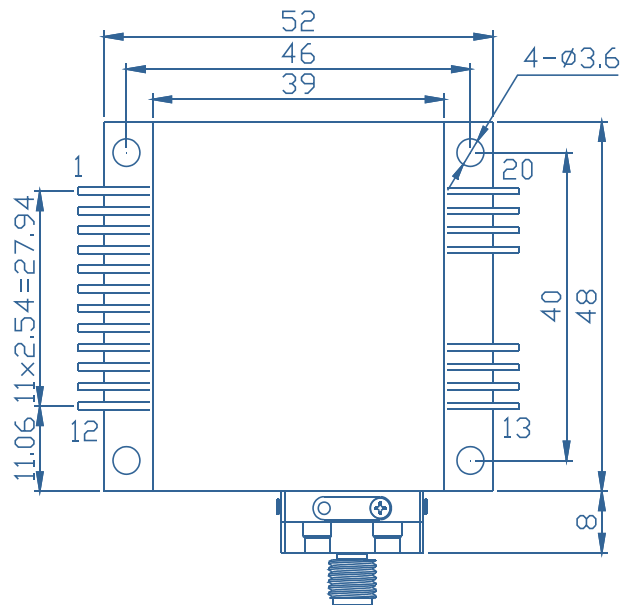
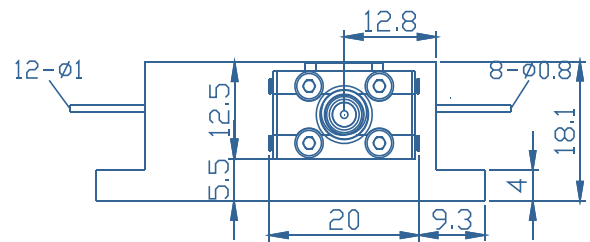
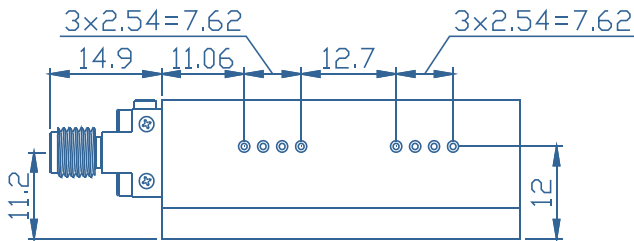


G-Series High Power Laser Diode Module



- Features
- ◆ High output power of 15/15W
 - ◆ 200µm/0.22NA multimode optical fiber
 - ◆ Center wavelength 1470/980±10nm
- Applications
- ◆ Medical applications

Package Dimensions (mm)



Pin-out Assignment

Pin	Function	Pin	Function
1	1470 LD (+)	11	Aiming Beam(+5V)
2	-	12	Aiming Beam(0V)
3	-	13	Fiber Connector Detector LED (-)
4	-	14	Fiber Connector Detector LED (+)
5	-	15	Fiber Connector Detector PD(N)
6	-	16	-
7	-	17	PD(N)
8	1470 LD (-)	18	PD(P)
9	980 LD (+)	19	Thermistor
10	980 LD (-)	20	Thermistor

Typical Device Performance (25°C)

	Typical		Unit
Optical			
Center Wavelength	1470±10	980±10	W
CW Output Power	15	15	nm
Spectral Width (90%Energy)	<10.0		nm
Wavelength Shift with Temperature	0.3		nm /°C
Electrical			
Threshold Current	0.5	0.95	A
Operating Current	9.2	20	A
Operating Voltage	7.9	1.56	V
Slope Efficiency	0.5	5	W / A
Power Conversion Efficiency	20	48	%
Aiming laser **			
CW Output Power	2		mW
Center Wavelength	650±10		nm
Operating Current	<30		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	-		-

* Customized fiber and connector available.

Absolute Ratings

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