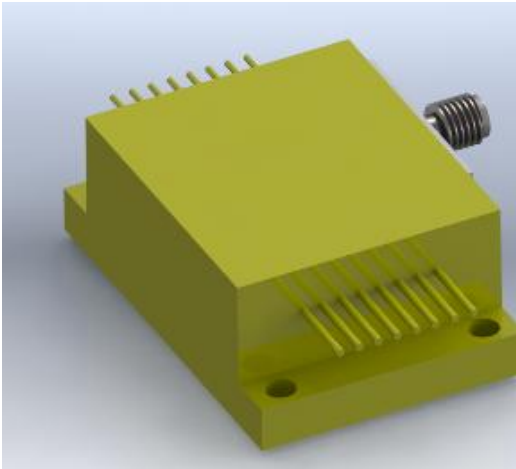


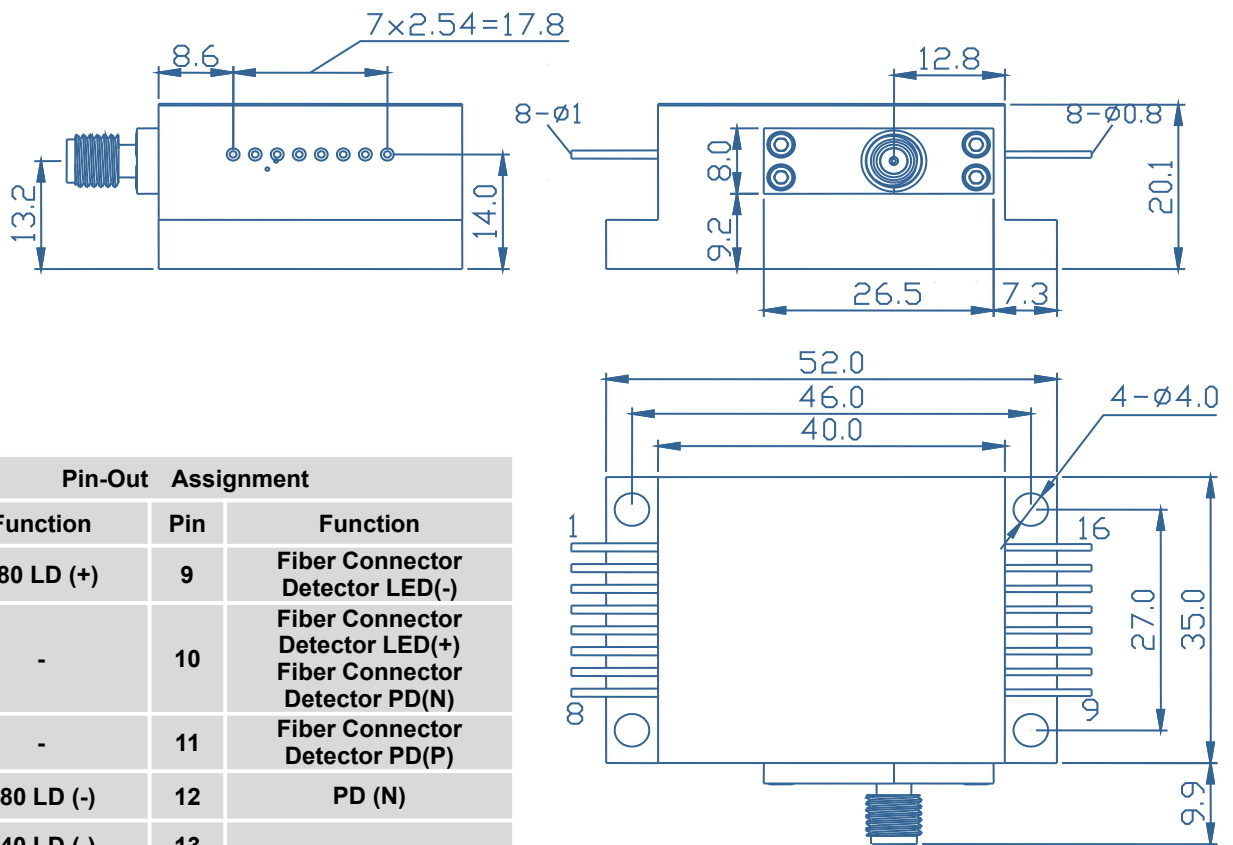
G-Series High Power Laser Diode Module



- Features**
- ◆ High output power of 10/0.2/3W
 - ◆ 200μm/0.22NA multimode optical fiber
 - ◆ Center wavelength 980/640/450±10nm

- Applications**
- ◆ Medical applications

Package Dimensions (mm)



Pin-Out Assignment			
Pin	Function	Pin	Function
1	980 LD (+)	9	Fiber Connector Detector LED(-)
2	-	10	Fiber Connector Detector LED(+)
3	-	11	Fiber Connector Detector PD(N)
4	980 LD (-)	12	Fiber Connector Detector PD(P)
5	640 LD (-)	13	PD (N)
6	640 LD (+)	14	-
7	450 LD (-)	15	PD (P)
8	450 LD (+)	16	Thermistor

Typical Device Performance (25°C)

	Typical			Unit
Optical				
Center Wavelength	980±10	640±10	450±10	W
CW Output Power	10	0.2	3	nm
Spectral Width (90%Energy)	6			nm
Wavelength Shift with Temperature	0.3			nm /℃
Electrical				
Threshold Current	1.3	0.17	0.8	A
Operating Current	12	0.5	2	A
Operating Voltage	1.73	2.1	4	V
Slope Efficiency	0.93	0.45	2.5	W / A
Power Conversion Efficiency	48	12	37	%
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	%
Cooling Mode	-	Water cooling (25°C)	-
Storage Temperature	-20	80	°C
Storage Relative Humidity	-	90	%
Lead Soldering Temperature (10 s max)	-	250	°C

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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