

Typical Device Performance (25°C)

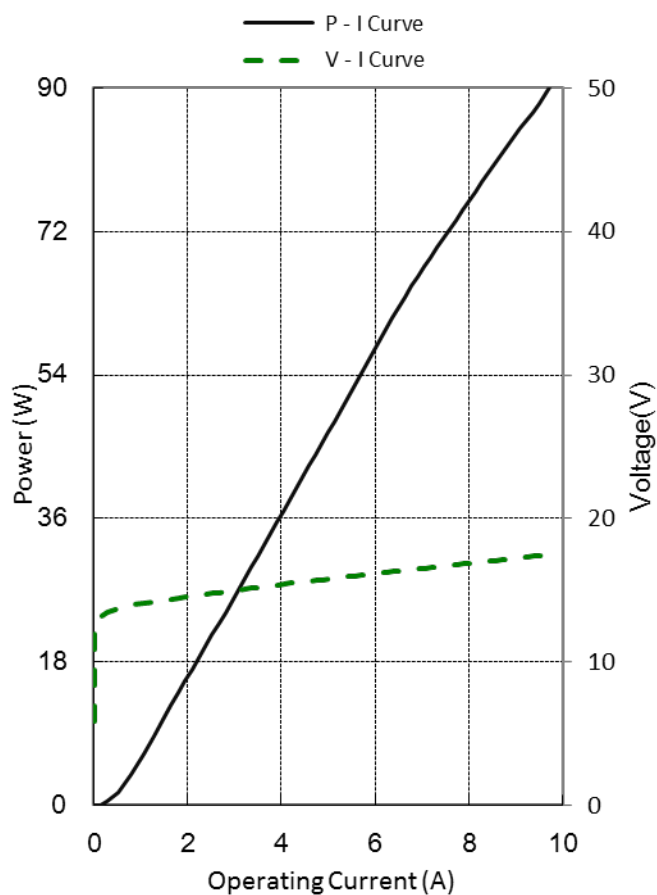
	Unit	Typical Value
Optical		
CW Output Power	W	90
Center Wavelength	nm	976±3
Spectral Width (90% of Power)	nm	<6.0
Wavelength Shift with Temperature	nm / °C	0.3
Feedback Protection (1030-1100nm)	dB	>40
Electrical		
Threshold Current	A	0.6
Operating Current	A	10.0
Operating Voltage	V	17.6
Slope Efficiency	W / A	9.6
Power Conversion Efficiency	%	51
Fiber*		
Fiber Core Diameter	μm	105
Fiber Cladding Diameter	μm	125
Fiber Buffer Diameter	μm	250
Numerical Aperture	-	0.22
Fiber Length	m	1.0

* Customized fiber and connector available.

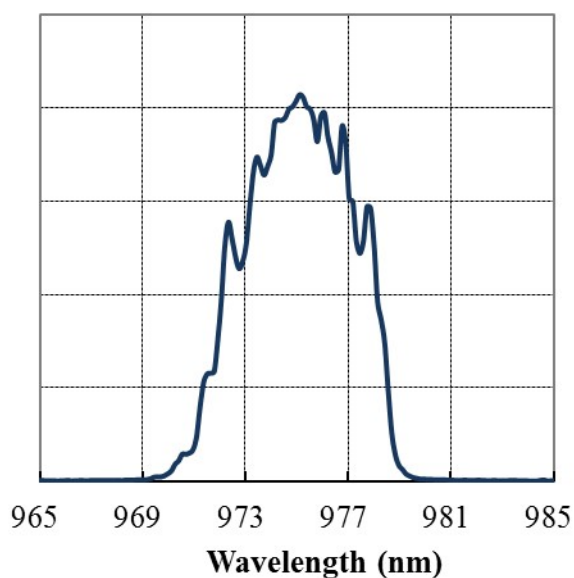
Absolute Ratings

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

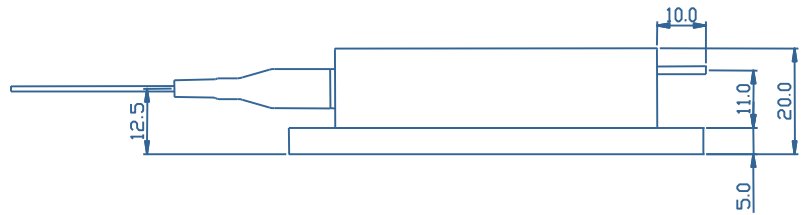
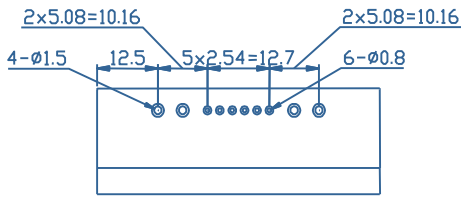
Characteristics of 976nm-90W laser diode module (25°C)



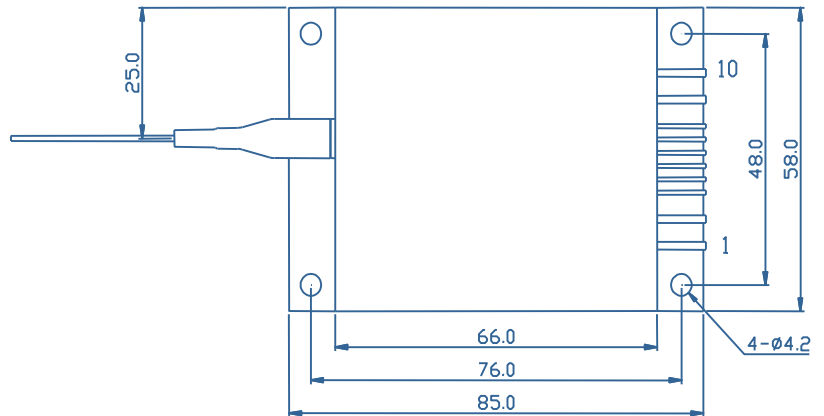
Typical spectrum of 976nm-90W laser diode module (25°C)



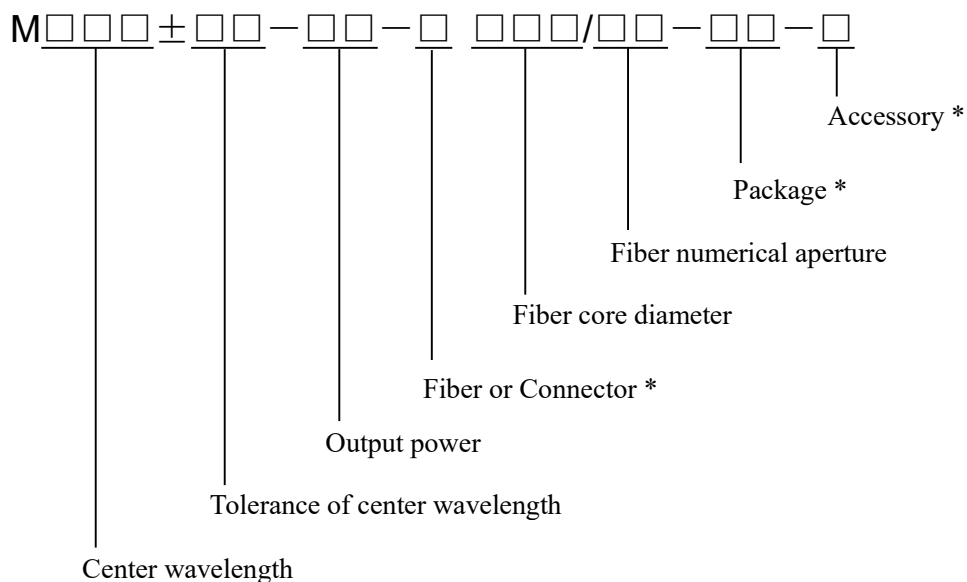
Package Dimensions (mm)



Pin-Out Assignment	
Pin	Function
1	LD (-)
2	LD (-)
3	Thermistor
4	Thermistor
5	PD (P)
6	PD (N)
7	-
8	-
9	LD (+)
10	LD (+)



Type Definition



* Accessory: T – TE cooler, A – Aiming laser, P – Monitor photodiode, K – Fiber connector detector

* Package: R2, T1, T2, T3, T4, T4S, T4T, T6, G4, C1, CD, D1.....

* Fiber or Connector: F – Fiber output, D – Detachable connector

