

Typical Device Performance (25°C)

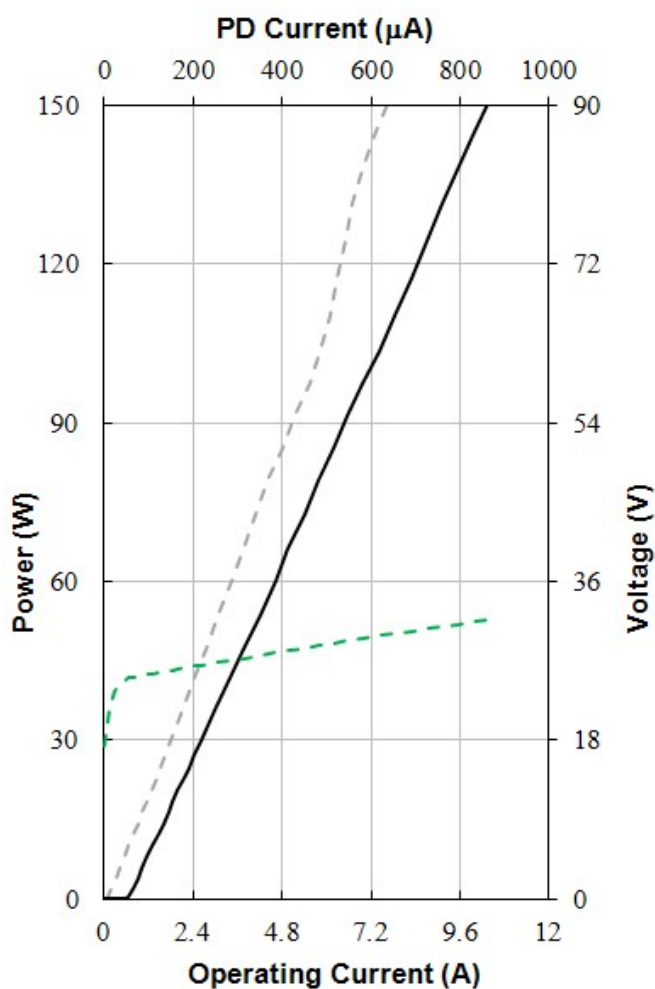
	Typical Value	Unit
Optical		
CW Output Power	150	W
Center Wavelength	9XX±3	nm
Spectral Width (90% of Power)	<6.0	nm
Wavelength Shift with Temperature	0.3	nm / °C
Feedback Protection (1030-1100nm)	>40	dB
Light within 0.17NA	95%	
Electrical		
Threshold Current	0.7	A
Operating Current	10	A
Operating Voltage	31	V
Slope Efficiency	16.0	W / A
Power Conversion Efficiency	48	%
Fiber*		
Fiber Core Diameter	105	μm
Fiber Cladding Diameter	125	μm
Fiber Buffer Diameter	250	μm
Numerical Aperture	0.22	-
Fiber Length	1-5	m

* Customized fiber and connector available.

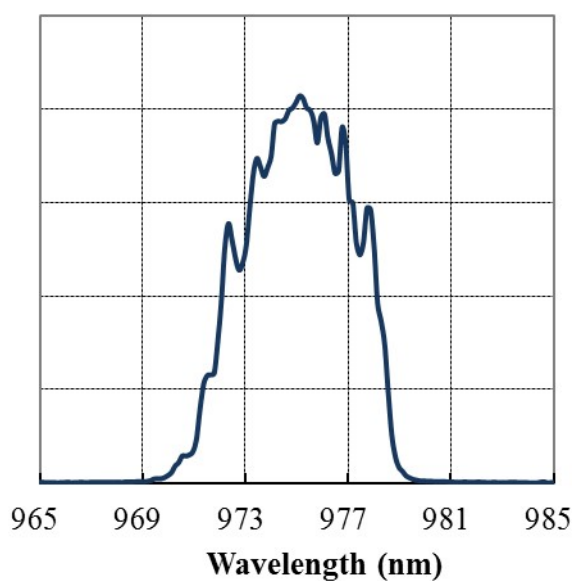
Absolute Ratings

Parameter	Min	Max	Unit
Operating Temperature	15	40	°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

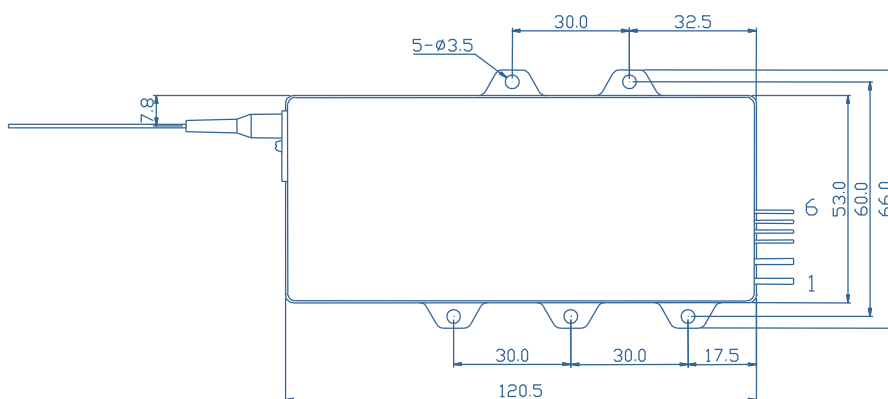
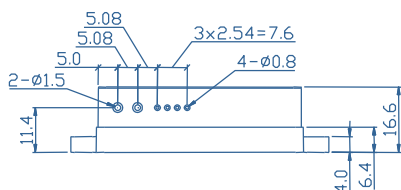
Characteristics of 9XXnm-150W laser diode module (25°C)



Typical spectrum of 9XXnm-150W laser diode module (25°C)



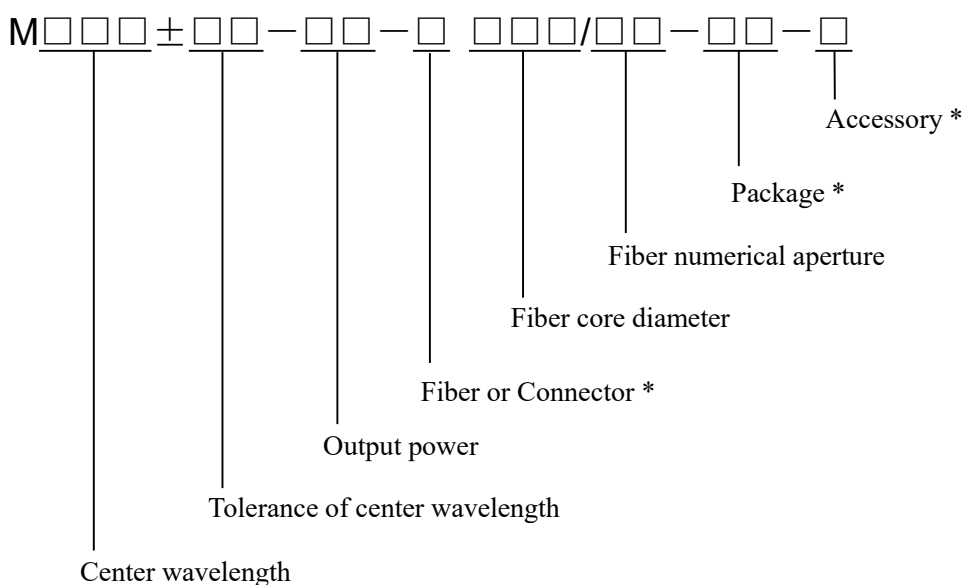
Package Dimensions (mm)



Pin-Out Assignment

Pin	Function
1	LD (+)
2	LD (-)
3	PD(N)
4	PD(P)
5	Thermistor
6	Thermistor

Type Definition



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

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

