

Typical Device Performance (25°C)

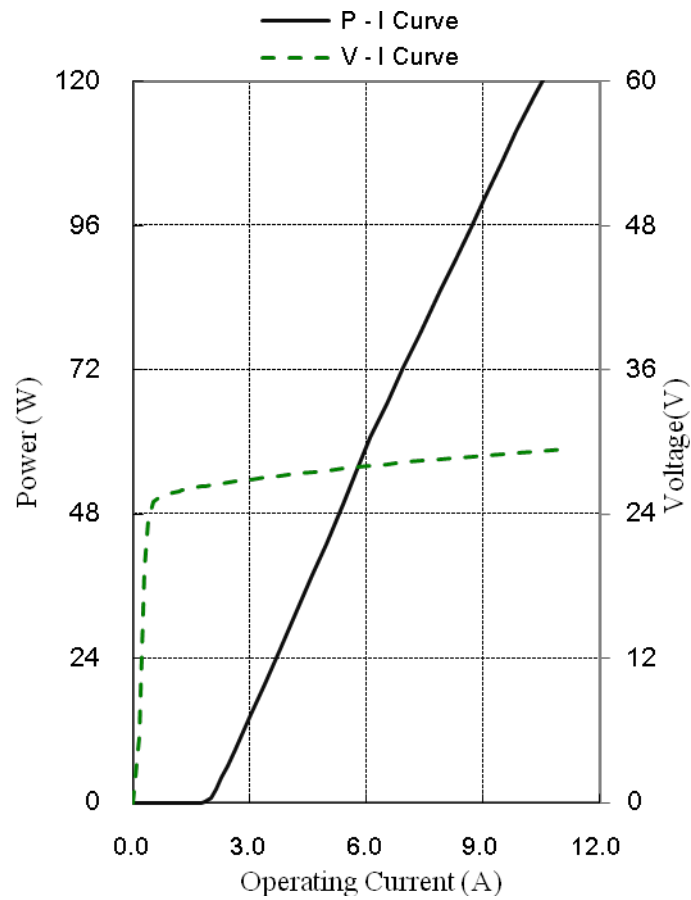
	Unit	Typical Value
Optical		
CW Output Power	W	120
Center Wavelength	nm	808±3
Spectral Width (90% of Power)	nm	<3.0
Wavelength Shift with Temperature	nm / °C	0.3
Electrical		
Threshold Current	A	1.8
Operating Current	A	11.0
Operating Voltage	V	26.8
Slope Efficiency	W / A	13.0
Power Conversion Efficiency	%	40
Fiber*		
Fiber Core Diameter	μm	400
Fiber Cladding Diameter	μm	440
Fiber Buffer Diameter	μm	700
Numerical Aperture	-	0.22
Fiber Length	m	1.0
Fiber connector	-	SMA905,FC

* Customized fiber and connector available.

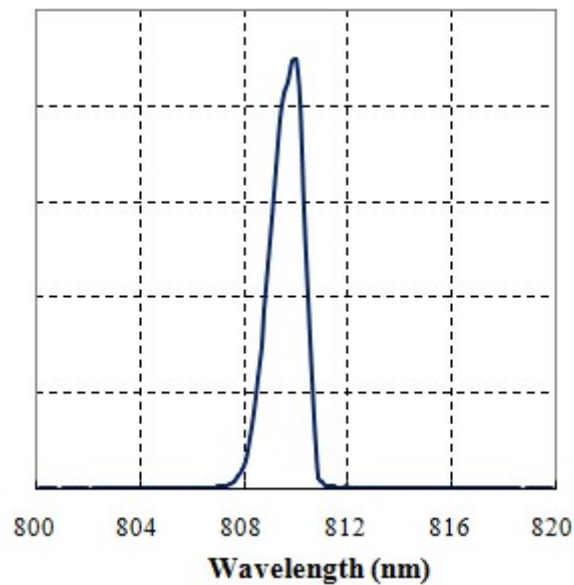
Absolute Ratings

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

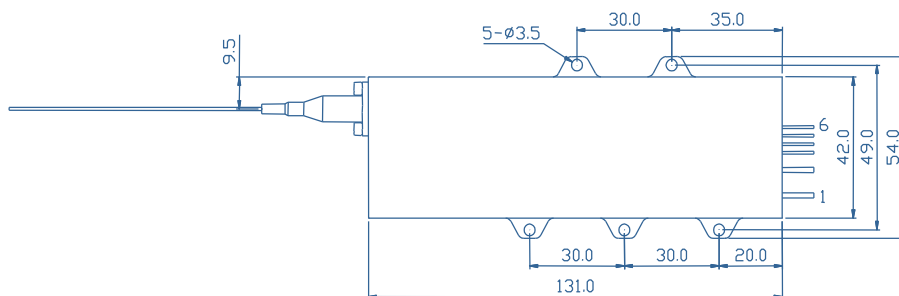
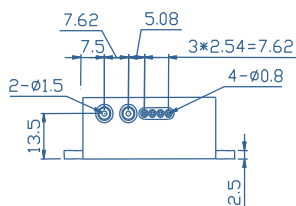
Characteristics of 808nm-120W laser diode module (25°C)



Typ. spectrum of 808nm-120W laser diode module (25°C)

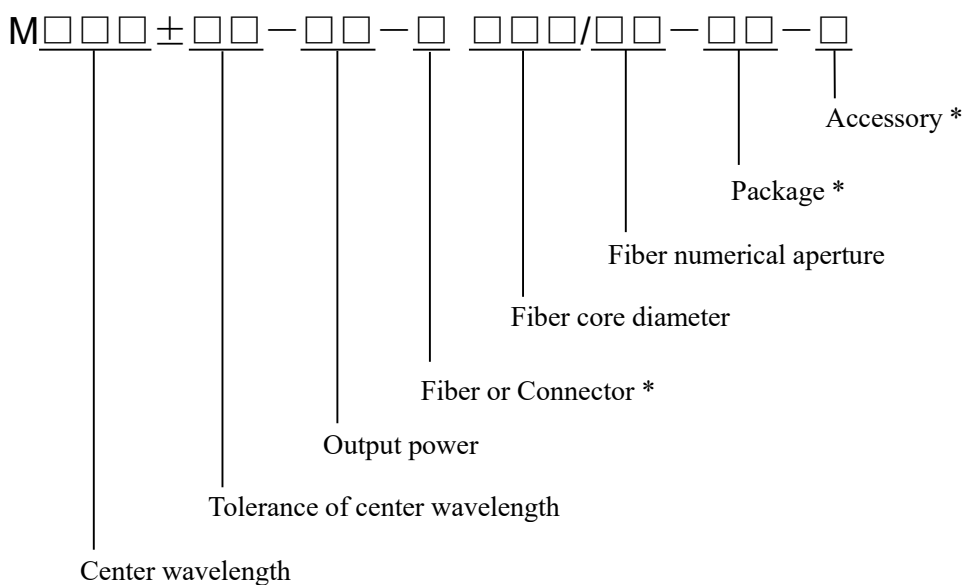


Package Dimensions (mm)



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

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

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

