

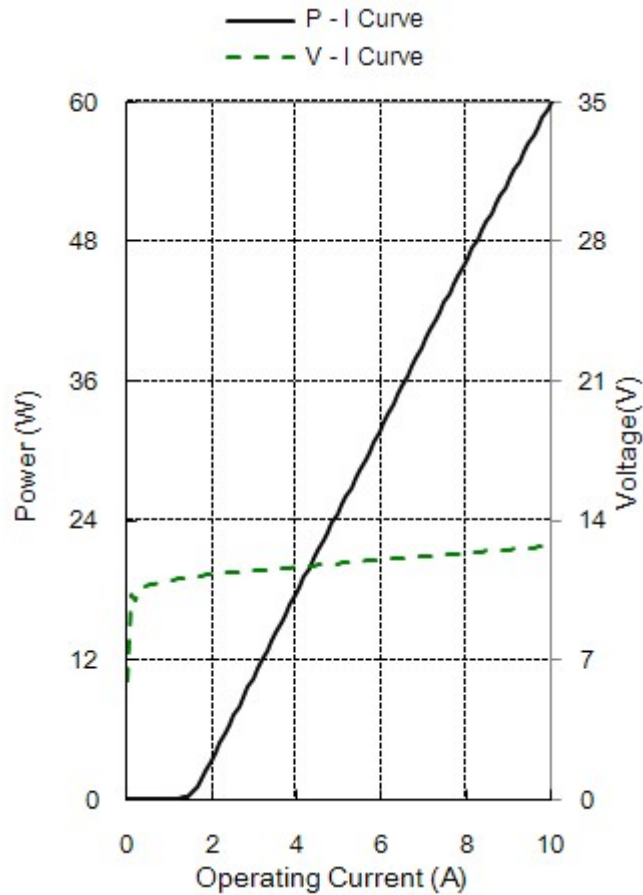
Typical Device Performance (25°C)

	Unit	Typical Value
Optical		
CW Output Power	W	50
Center Wavelength	nm	808±3
Wavelength Shift with Temperature	nm / °C	0.3
Electrical		
Threshold Current	A	1.8
Operating Current	A	9.5
Operating Voltage	V	10.5
Slope Efficiency	W / A	6.5
Power Conversion Efficiency	%	50
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

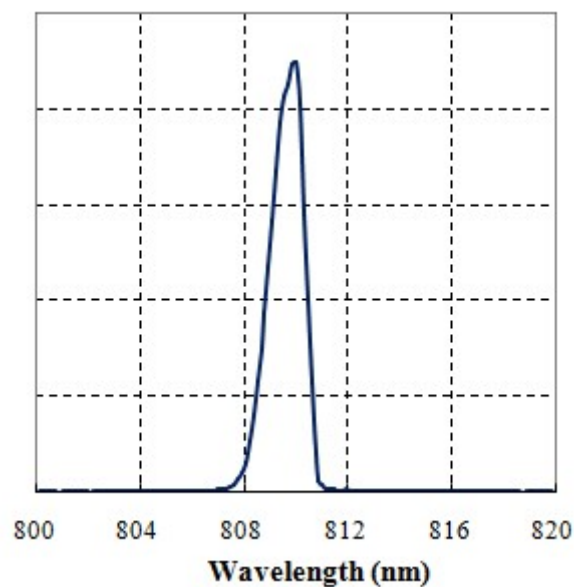
Absolute Ratings

	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

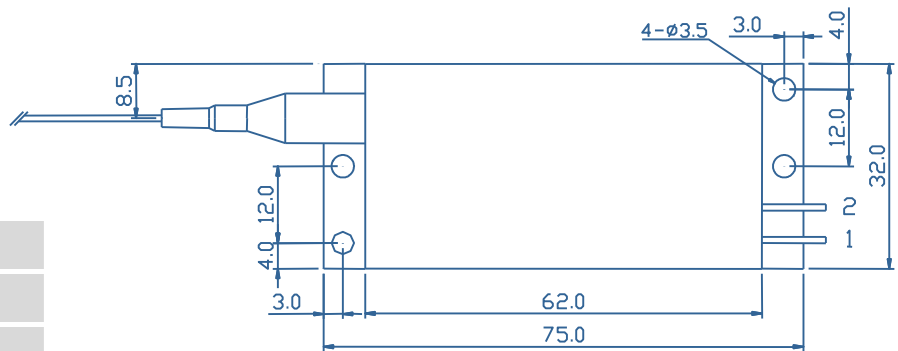
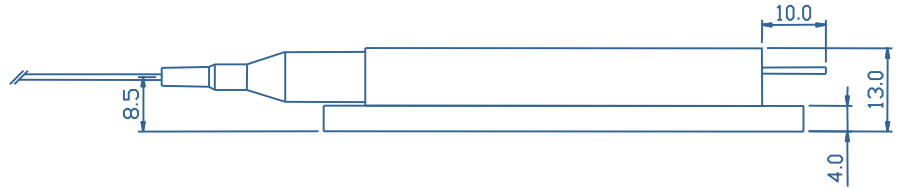
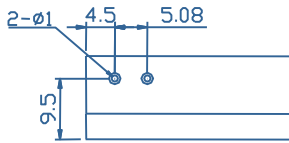
Characteristics of 808nm-50W laser diode module (25°C)



Typ. spectrum of 808nm-50W laser diode module (25°C)

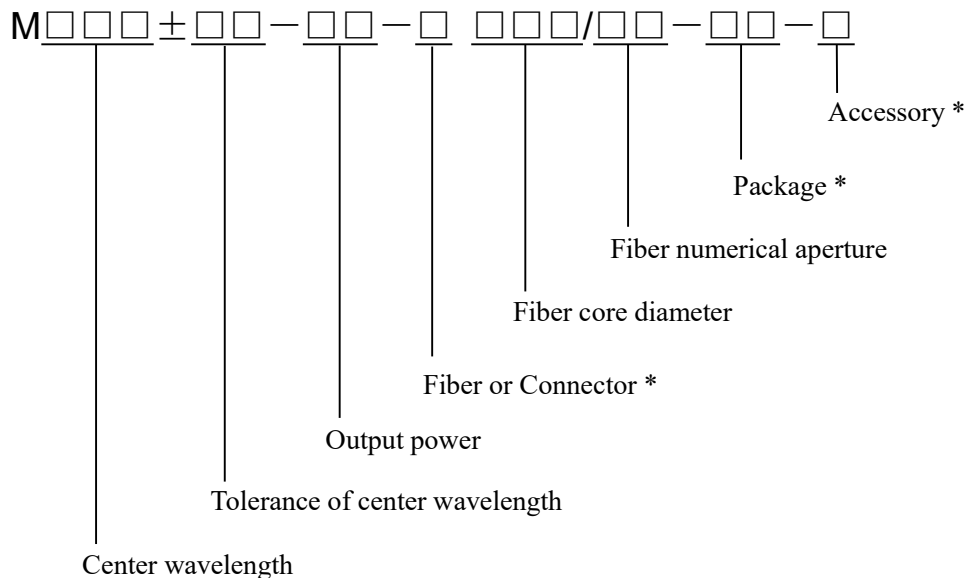


Package Dimensions (mm)



Pin-Out Assignment	
Pin	Function
1	LD (+)
2	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

