

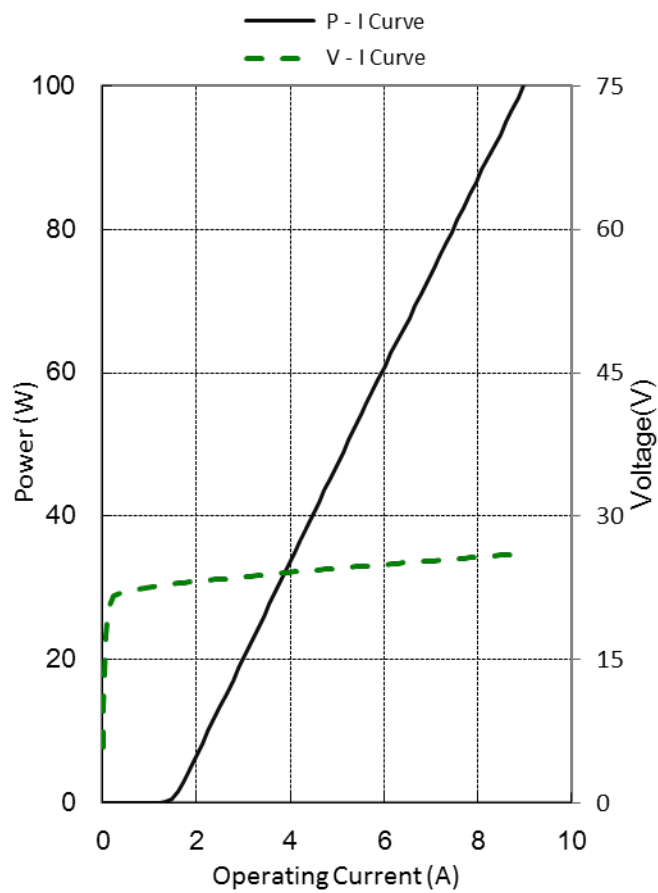
Typical Device Performance (25°C)

	Unit	Typical Value
Optical		
CW Output Power	W	100
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	1.5
Operating Current	A	9.0
Operating Voltage	V	26.0
Slope Efficiency	W / A	13.3
Power Conversion Efficiency	%	43
Aiming Laser		
CW Output Power	mW	>2
Center Wavelength	nm	650±10
Operating Current	mA	<30
Operating Voltage	V	~2.2
Fiber		
Fiber Core Diameter	μm	200
Fiber Cladding Diameter	μm	220
Fiber Buffer Diameter	μm	500
Numerical Aperture	-	0.22
Fiber Length	m	1.0
Fiber connector	-	SMA905,FC

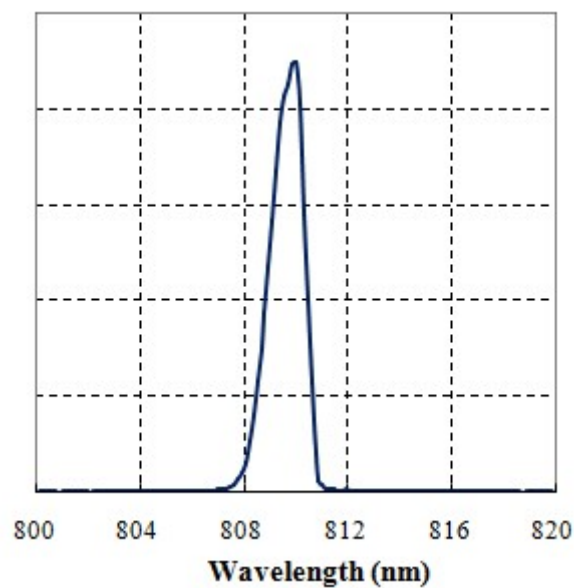
Absolute Ratings

Parameter	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

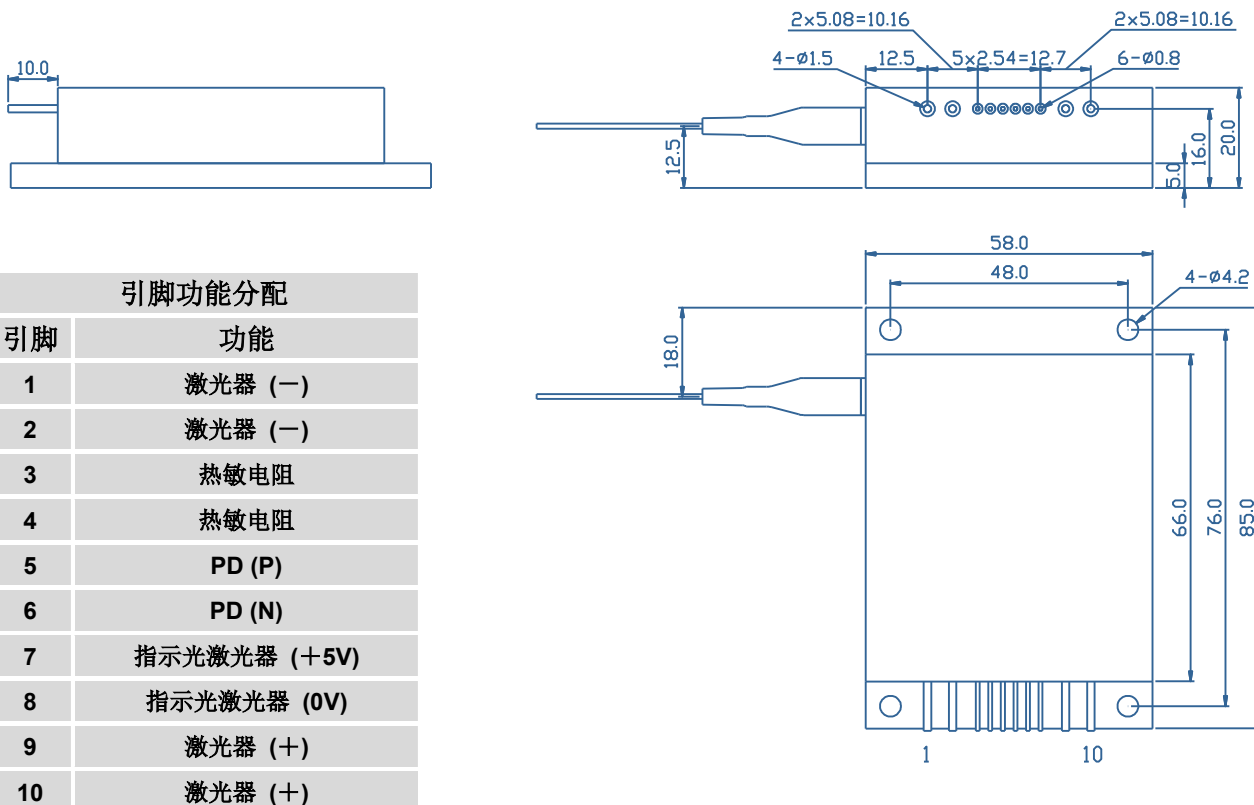
Characteristics of 808nm-100W laser diode module (25°C)



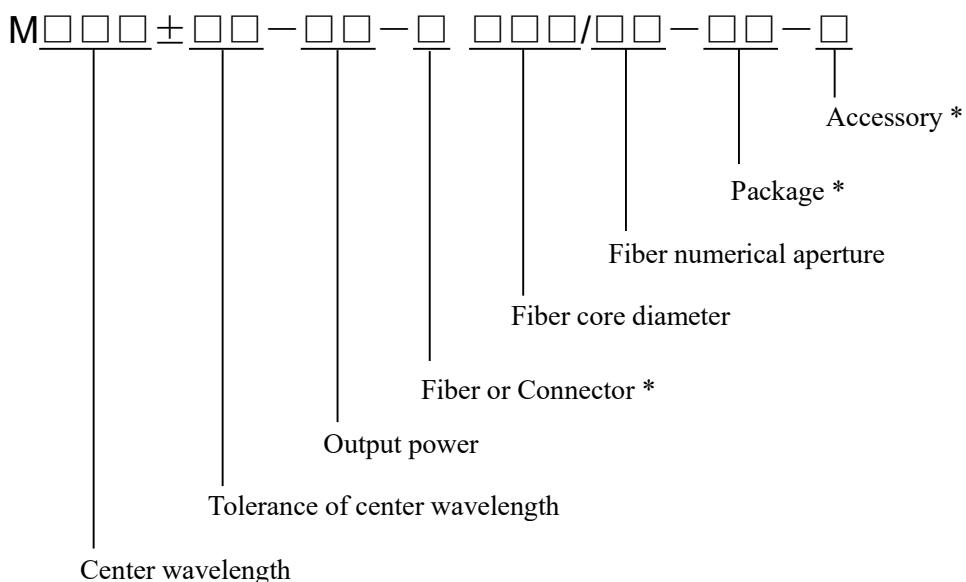
Typ. spectrum of 808nm-100W laser diode module (25°C)



Package Dimensions (mm)



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

