

Typical Device Performance (25°C)

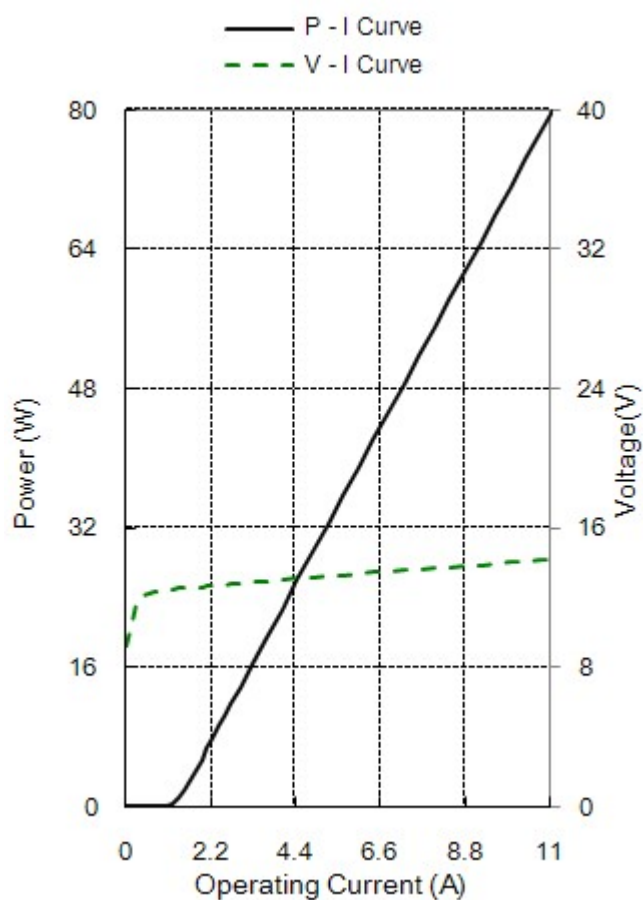
	Unit	Typical Value
Optical		
CW Output Power	W	80
Center Wavelength	nm	905~985, ±10
Spectral Width (90% of Power)	nm	3
Wavelength Shift with Temperature	nm / °C	0.3
Electrical		
Threshold Current	A	1.4
Operating Current	A	11.0
Operating Voltage	V	14.6
Slope Efficiency	W / A	8.3
Power Conversion Efficiency	%	50
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

*Customized fiber and connector available

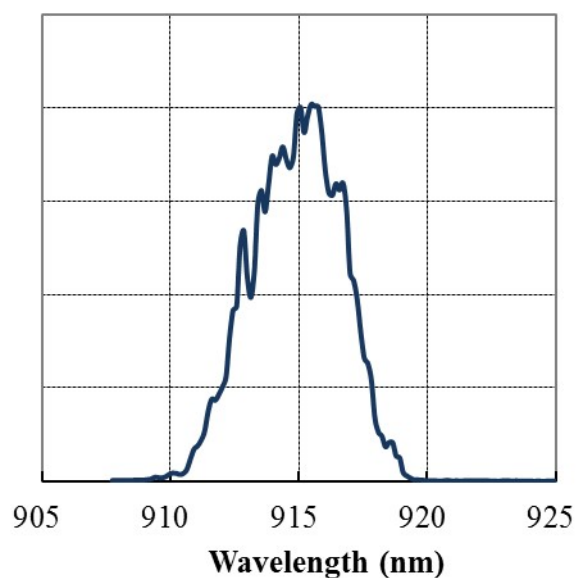
Absolute Ratings

	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

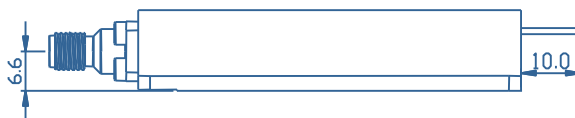
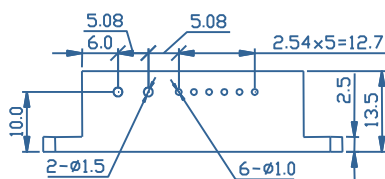
Characteristics of 9XXnm-80W laser diode module (25°C)



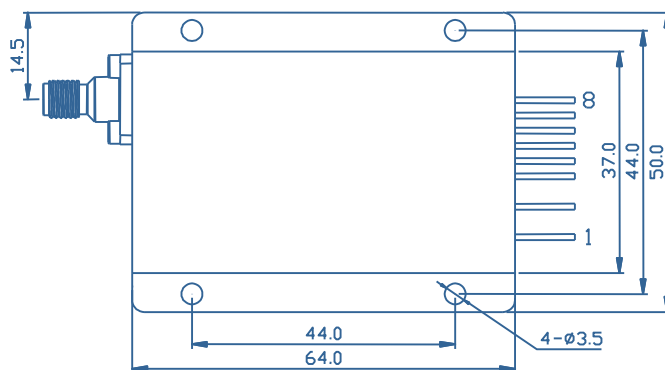
Typical spectrum of 9XXnm-80W laser diode module (25°C)



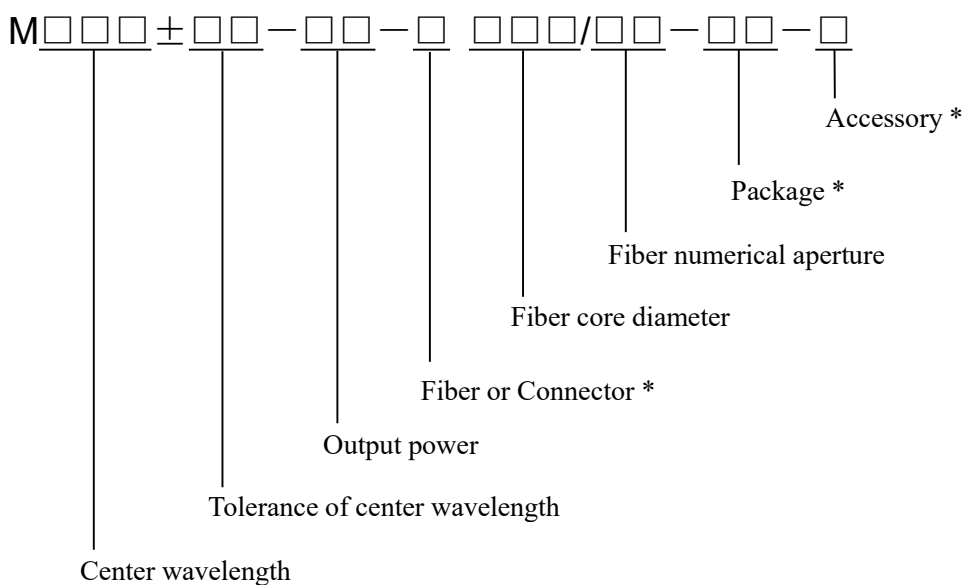
Package Dimensions (mm)



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



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

