Typical Device Performance (25℃)

	Unit	Typical Value
Optical		
CW Output Power	W	50
Center Wavelength	nm	905~985, ±10
Spectral Width (90% of Power)	nm	3
Wavelength Shift with Temperature	nm / ℃	0.3
Electrical		
Threshold Current	A	1.4
Operating Current	A	11.0
Operating Voltage	V	9.0
Slope Efficiency	W / A	5.2
Power Conversion Efficiency	%	50
Aiming Laser*		
CW Output Power	mW	2.0
Center Wavelength	nm	650±10
Operating Current	mA	<30
Operating Voltage	V	5.0
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

*Optional built-in constant power circuit, 5V power supply needed.

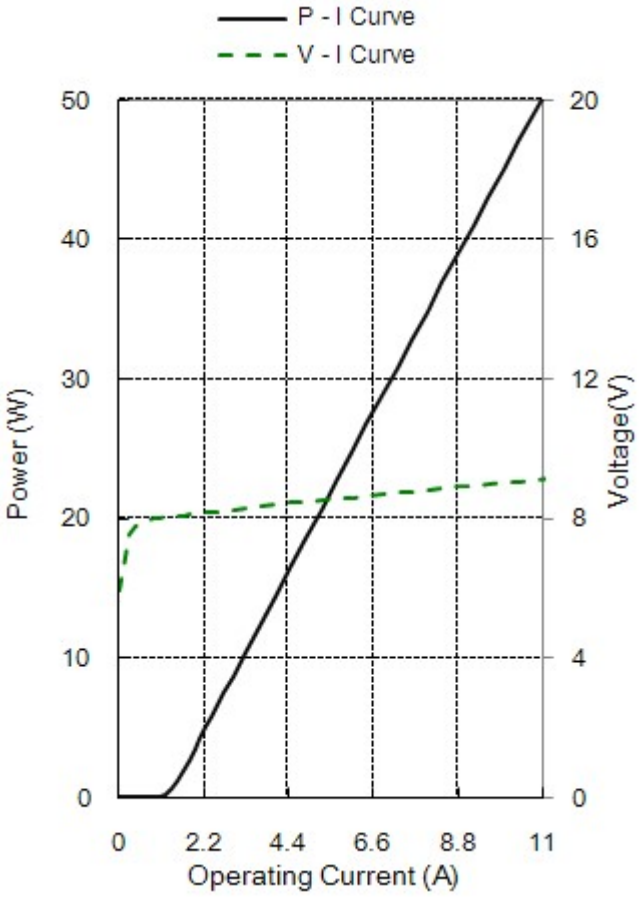
Optional constant voltage green aiming beam.

**Customized fiber and connector available.

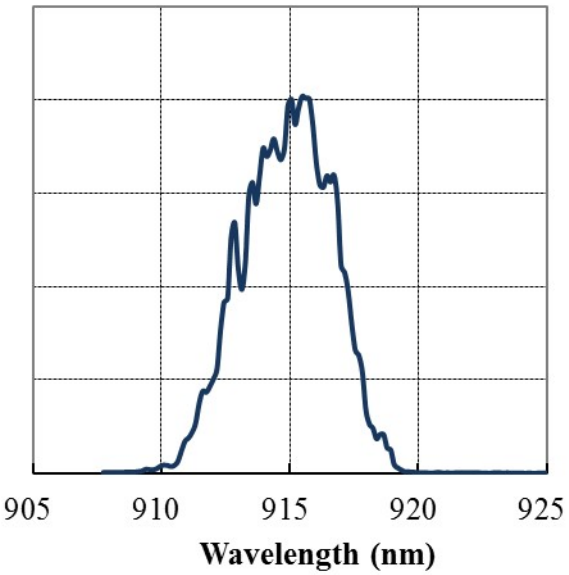
Absolute Ratings

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

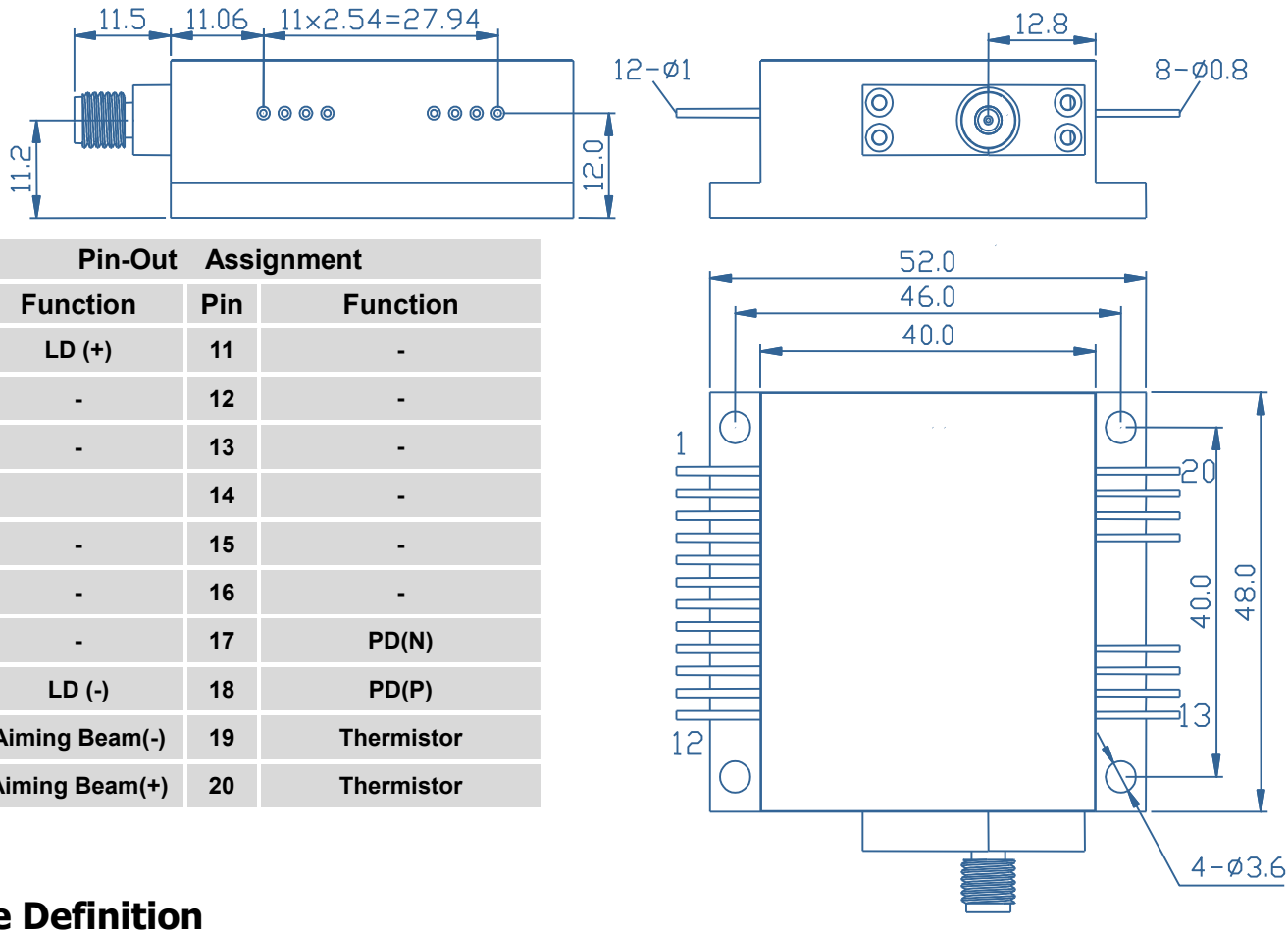
Characteristics of 9XXnm-50W laser diode module (25℃)



Typical spectrum of 9XXnm-50W laser diode module (25℃)



Package Dimensions (mm)



Pin-Out Assignment			
Pin	**Function**	**Pin**	**Function**
1	LD (+)	11	-
2	-	12	-
3	-	13	-
4		14	-
5	-	15	-
6	-	16	-
7	-	17	PD(N)
8	LD (-)	18	PD(P)
9	Aiming Beam(-)	19	Thermistor
10	Aiming Beam(+)	20	Thermistor

Type Definition

M□□□±□□－□□－□ □□□/□□－□□－□

- Center wavelength
- Tolerance of center wavelength
- Output power
- Fiber or Connector *
- Fiber core diameter
- Fiber numerical aperture
- Package *
- Accessory *

* 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