

# Fiber-coupled Laser Diode Module

## STC-LDM-915-260

### Typical Device Performance (25°C)

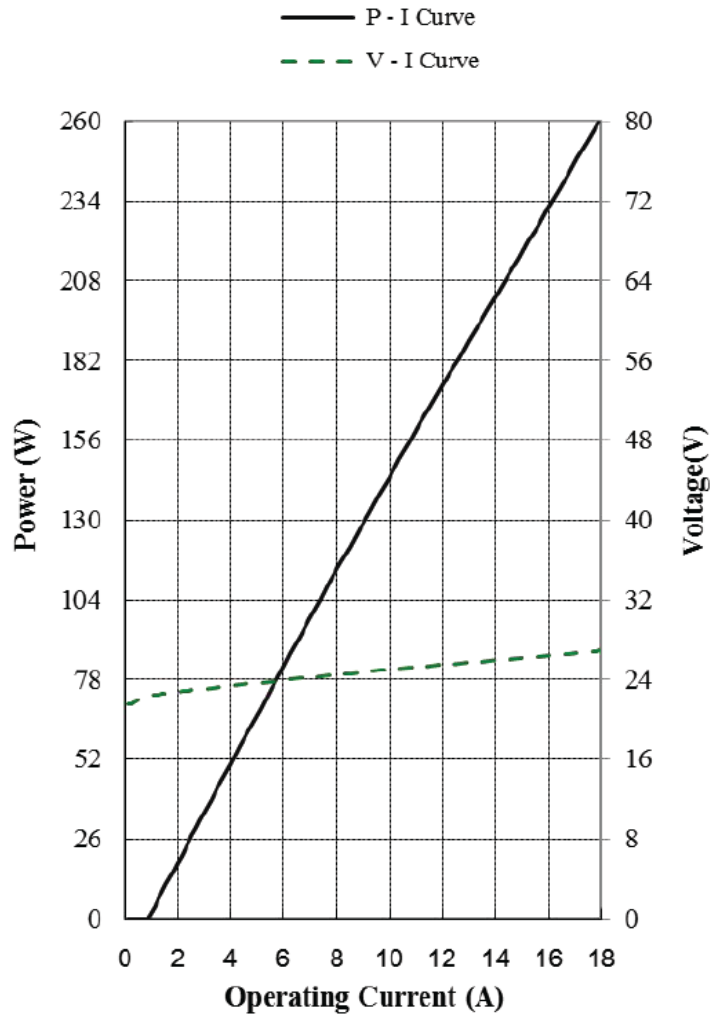
Optical	Unit	Typical Value
CW Output Power	W	260
Center Wavelength	nm	915±10
Spectral Width (90% of Power)	nm	<8.0
Wavelength Shift with Temperature	nm / °C	0.35
Electrical		
Threshold Current	A	0.85
Operating Current	A	19
Operating Voltage	V	26.9
Slope Efficiency	W / A	15.2
Power Conversion Efficiency	%	52
Fiber*		
Fiber Core Diameter	μm	200
Fiber Cladding Diameter	μm	220
Fiber Buffer Diameter	μm	330
Numerical Aperture	-	0.22
Fiber Length	m	2.0
Fiber connector	-	SMA905,FC

\* Customized fiber and connector available.

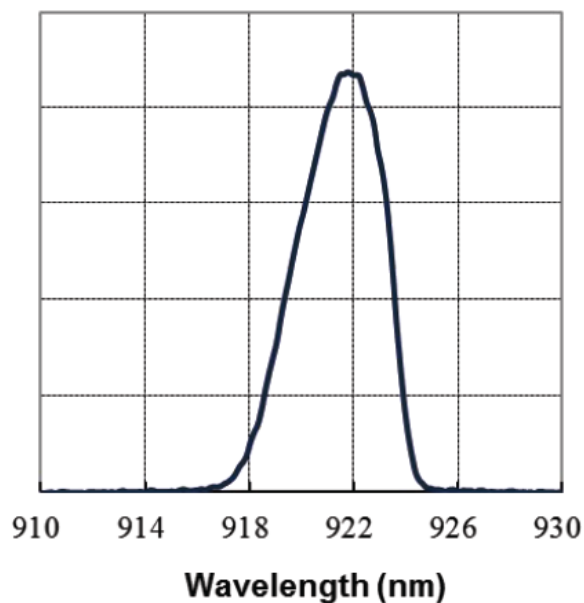
### Absolute Ratings

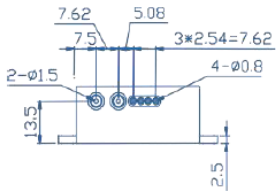
	Unit	Min	Max
Operating Temperature	°C	10	40
Operating Relative Humidity	%	-	75
Storage Temperature	°C	-20	80
Storage Relative Humidity	%	-	90
Lead Soldering Temperature, 10s max	°C	-	250

## Characteristics of 915nm-260W laser diode module (25°C)



## Typical spectrum of 915nm-260W laser diode module (25°C)





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

