

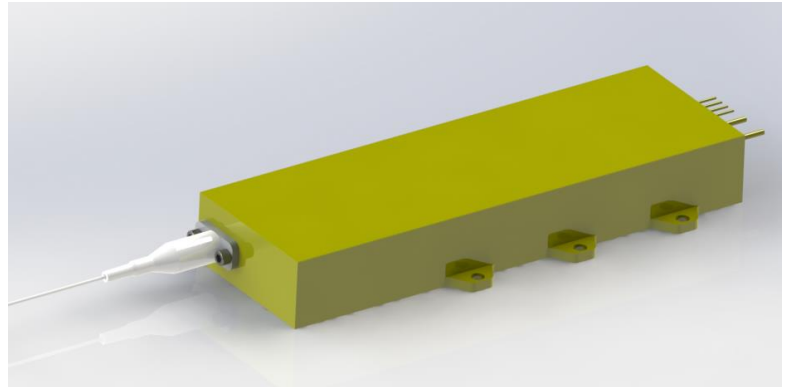
915nm 260W Fiber-coupled Diode Laser

Features

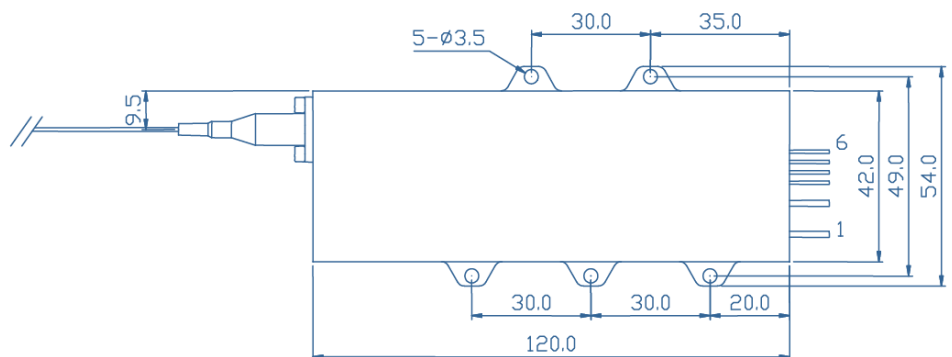
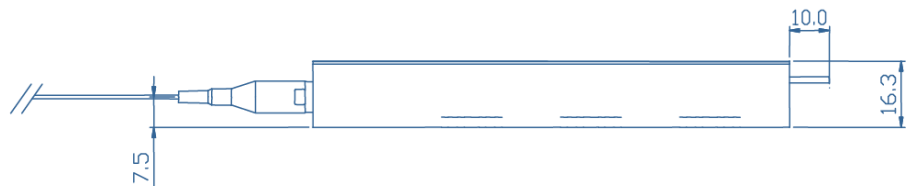
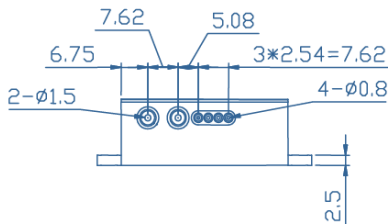
- Output power up to 260W CW
- 200µm Fiber core diameter
- Integrated thermistor and photodiode

Applications

- Material processing
- Medical treatment
- Scientific research



Dimension (mm)



Pin	Function
1	Laser diode -
2	Laser diode +
3	PD (N)
4	PD (P)
5	Thermistor
6	Thermistor



Module Specifications

Model		M915±10-260-F200/22-C2A	
Optical	Unit	Typical	
Output power	W	260	
Central wavelength	nm	915	
Wavelength tolerance	nm	± 10	
Spectral width (FWHM)	nm	<6.0	
Wavelength shift with temperature	nm/°C	0.35	
Feedback protection (1030-1100nm)	dB	>40	
Fiber			
Fiber core diameter	µm	200	
Fiber cladding diameter	µm	220	
Numerical aperture	-	0.22	
Fiber pigtail length	m	1 or 2	
Electric			
Threshold current	A	1.0	
Operating current	A	19.0	
Operating voltage	V	27.0	
Slope efficiency	W/A	14.5	
Power conversion efficiency	-	50%	
Other			
Thermistor	-	10kΩ @ 25°C	
Absolute ratings			
Operating temperature (NTC reading)	°C	20 – 35	
Operating humidity	-	<75%	
Storage temperature	°C	-20 – +80	
Soldering temperature	°C	250 (10s)	

- Notes:
1. Module specifications and dimension are subject to change without notice.
 2. ESD precautions must be taken.
 3. The minimum fiber bend diameter should be 300 times greater than the fiber core diameter.
 3. Reduced lifetime if improperly used or used above operating conditions.
 4. A non-condensing environment is required for storage and operation below the ambient dew point.

Compliance with Regulatory Requirements: This industrial laser is an OEM version of a laser diode. As such, it is intended only for integration into other equipment. This laser does not comply with IEC and CDRH requirements. The customer is responsible for IEC and CDRH certifications of the system that incorporates this industrial laser.

