Diode Laser System

DS3-41622-LD



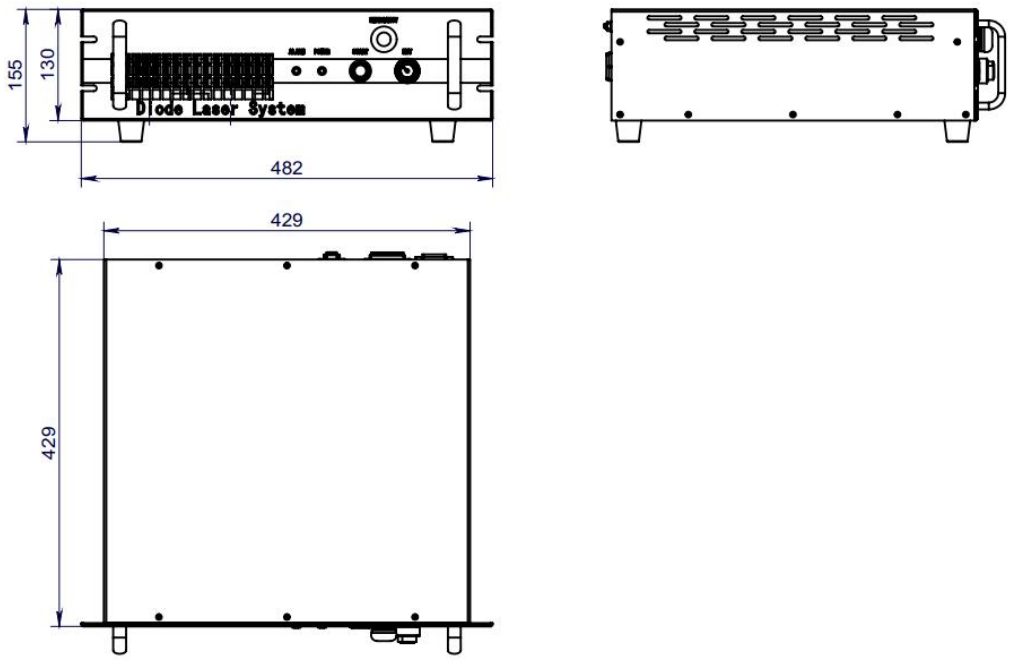
Features:

- 976nm or 915nm wavelength
- 200W output power
- 200 μm fiber core diameter
- 0.22 NA

Applications:

- Plastic Welding
- 3D Printing
- Soldering

Package Dimensions (mm)



*Optinonal

OPERATING NOTES

- Avoid eye and skin exposure to direct radiation during operation.
- ESD precautions must be taken during storage, transportation and operation.
- Laser diode must work with good cooling.
- Operation temperature ranges from 15℃ to 30℃ .
- Storage temperature ranges from 5℃ to 50℃.



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Specifications（25℃）		Unit	DS3-41622-LD
Optical Data(1)	CW Output Power	W	200
	Center Wavelength	nm	915±10/976±10
	Output Power Instability	%	±3（5 hours）
	Power Range	%	10-100
Fiber Data(1)	Core Diameter	μm	200
	Numeric Aperture	-	0.22
	Fiber Length	m	2 or Customized
	Fiber Termination	-	HP-SMA905 or Customized
Electrical Data	Power Supply	V	100~240（50-60Hz）
	Power Consumption	W	<1200
	Drive Mode	-	Constant current
	Emission Mode	-	CW or Modulated
	Control Mode	-	RS232, I/O
	Modulation Frequency	Hz	1~20K
	Duty Cycle	%	5-95
	Modulation Rise/Fall Time (Min. Value)	μs	≤20
Aiming Beam	Output Power	mW	≥2
	Center Wavelength	nm	635±10
Mechanical Parameters	Dimensions (L×W×H)	mm	429*482*130
	Weight	kg	<20
Others	Cooling Method	-	Air cooling
	Cooling Requirement	W	Leave 10cm of space on the outside of the fan
	Ambient Temperature in Operation(2)	℃	15~30
	Storage Temperature (3)	℃	5~50
	Relative Humidity	%	5~80
	Safety Class	-	4（EN 60825-01）

(1) Customizable power output and fiber parameters according to customer requirements.

(2) Operating temperature defined by the package case. Acceptable operating range is 20℃~30℃, but performance may vary.

(3) A non-condensing environment is required for operation and storage.

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