

Diode Pumped Solid State Laser Module

Key Features:

- ◆ 473nm Central Wavelength
- ◆ Constant Power Control
- ◆ Remote control
- ◆ TTL Modulation (optional)
- ◆ ESD protection
- ◆ Plug & Play
- ◆ Low Noise (optional)
- ◆ Fiber Coupling (optional)

Applications:

- ◆ Bio Technology
- ◆ Photo Finishing
- ◆ Semiconductor Instrument
- ◆ Medical Instrument
- ◆ Scientific Research



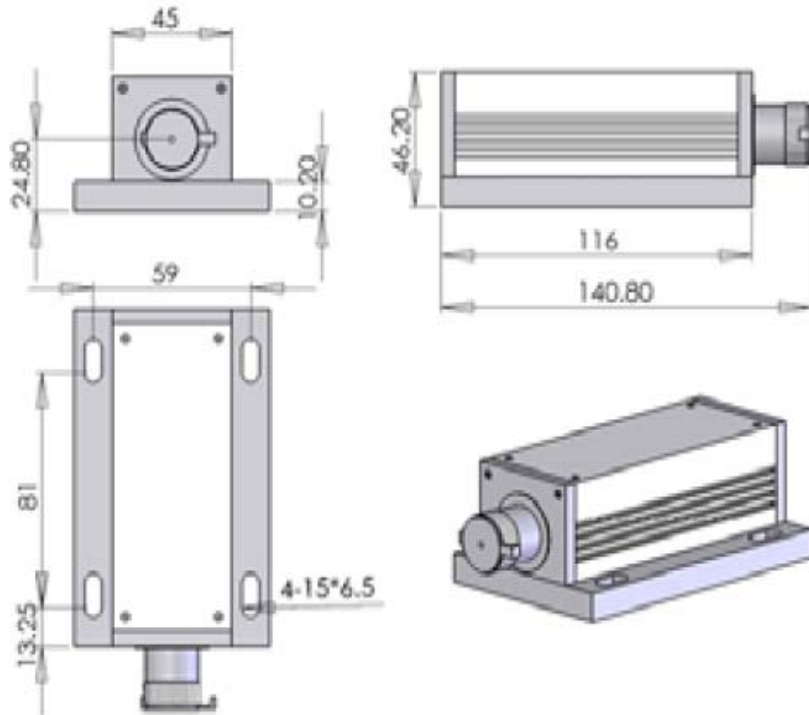
Specifications:

Wavelength	473+/-0.5nm
CW Output power	10mW ~ 600mW
Output stability	5% standard, 3% optional
Optical Noise (RMS)	Standard 30% or 4% (Low noise version optional)
Transverse beam mode	
100mW ~ 200mW	TEM ₀₀
200mW ~ 600mW	Near TEM ₀₀
Beam Divergence (1/e², Full Angle)	
10mW ~ 200mW	<1.5 mrad
200mW ~ 600mW	<2 mrad
Beam Diameter (1/e²)	
10mW ~ 200mW	~2mm
200mW ~ 600mW	~3mm
M2	
100mW ~ 200mW	<1.2
200mW ~ 600mW	<2
Spectral Linewidth	~0.1nm

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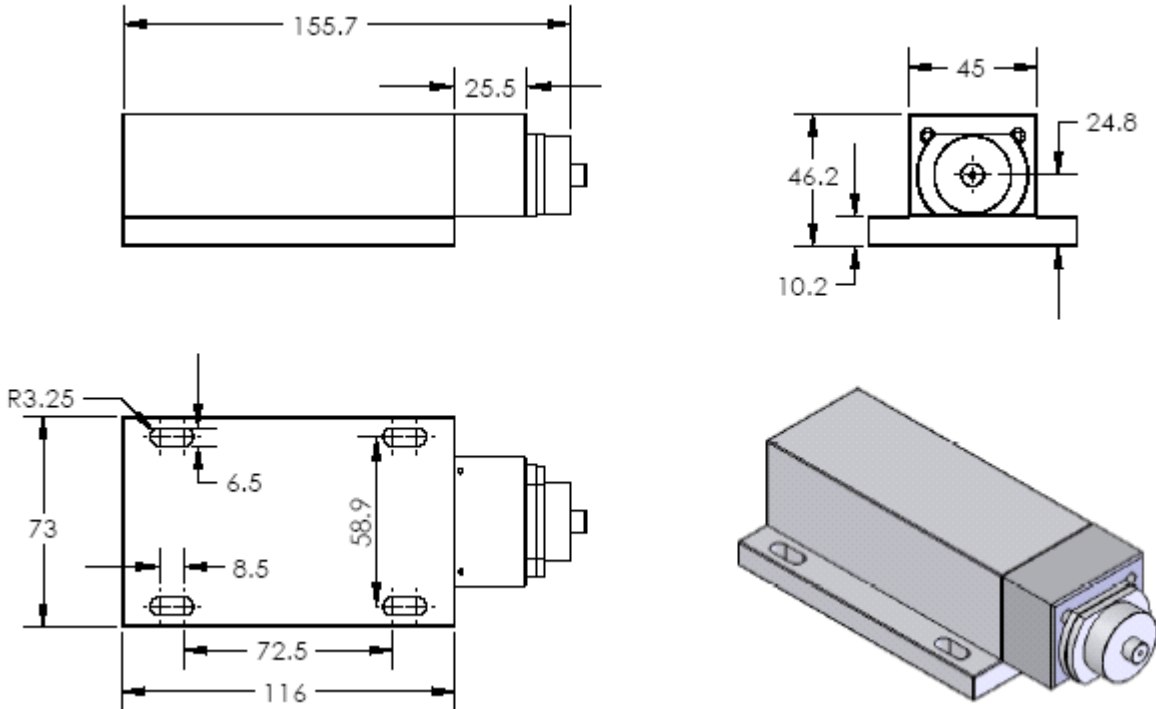
Polarization Ratio	100:1 (0 or 90 degree)
Pointing Stability After Warm Up	<0.05mrad
Beam height from base	
10mW ~ 200mW	24.8mm
200mW ~ 600mW	29mm
Fiber Coupling	Single Mode fiber, Polarization maintain Fiber or 50um, 100um, 200um, 400um multi mode fiber.
Fiber Connector	FC/PC, FC/APC or SMA
Operating temperature	10~35 degree C
Warm up time	< 15minutes
Expected lifetime	10,000hours
Mechanical Dimensions(laser head)	
10mW ~ 200mW	140.8mm(L)X73mm(W)X46.2mm(H)
200mW ~ 300mW	155mm(L)X77mm(W)X60mm(H)
300mW ~ 600mW	211.3mm(L)X88mm(W)X74mm(H)
Warranty	1 year from the date ship out from out factory

Mechanical Dimension of Laser Head with power <200mW(Fess Space):

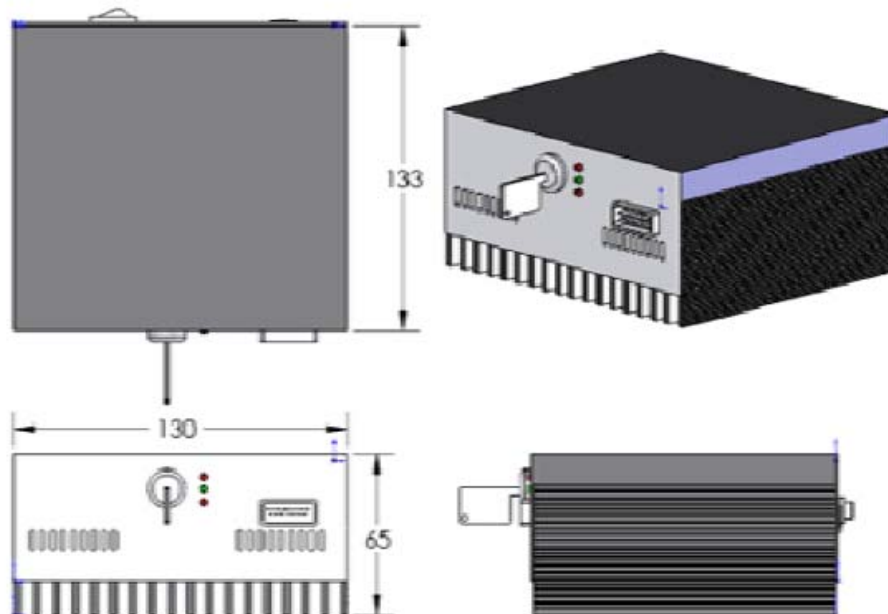


Diode Pumped Solid State Laser Module

Mechanical Dimension of Laser Head with power <200mW(Fiber Coupled):

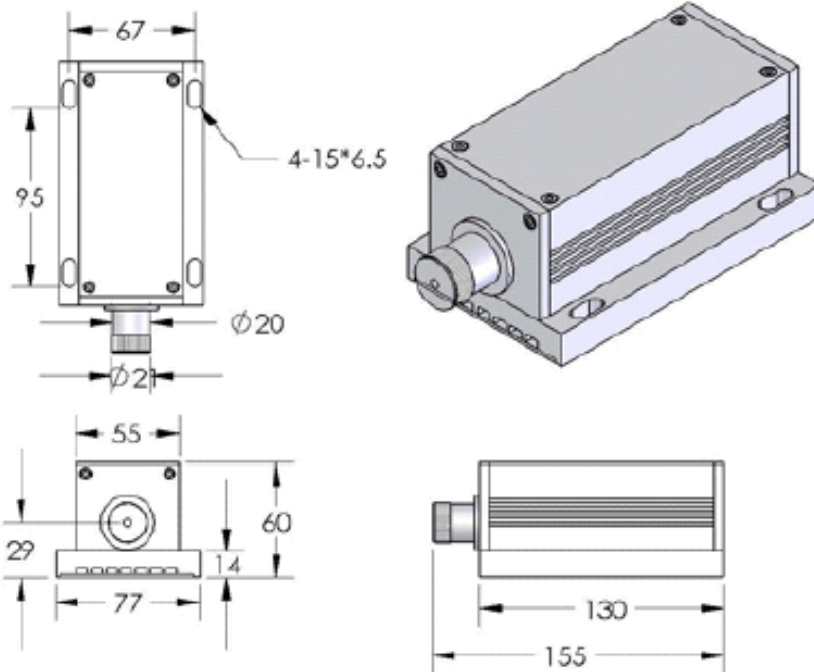


Mechanical Dimension of Laser Driver with power <200mW:

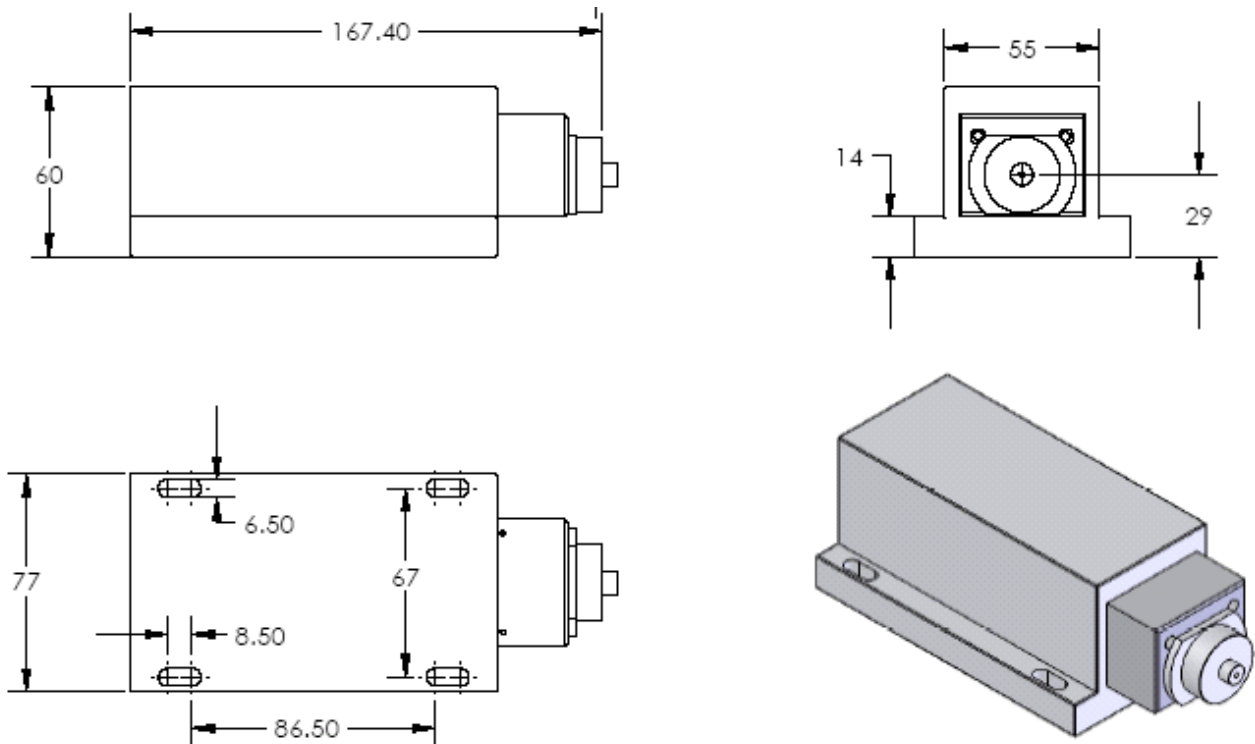


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Mechanical Dimension of Laser Head with power 0.2W~0.3W(Free Space):

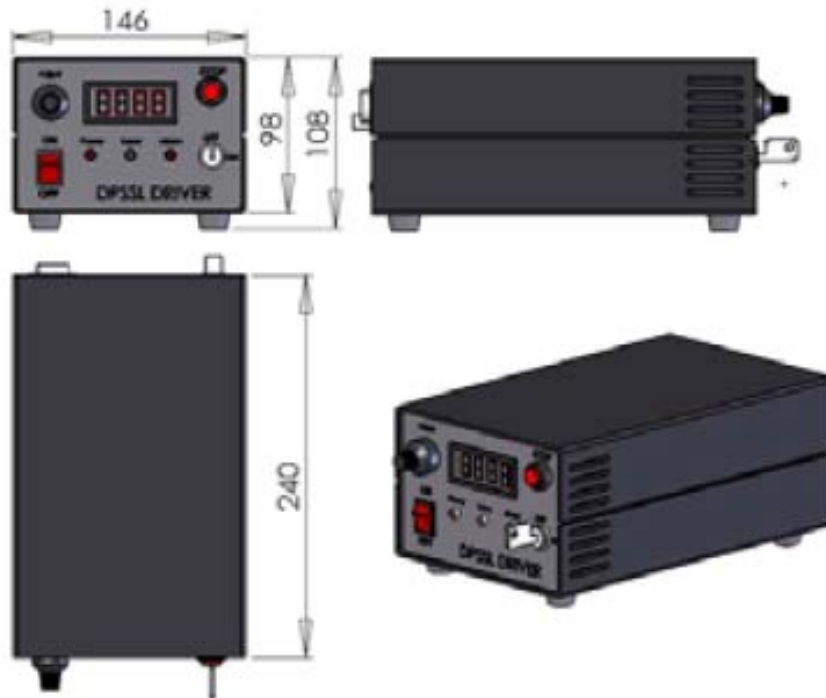


Dimension of Laser Head with power 0.2W~0.3W(Fiber Coupled):

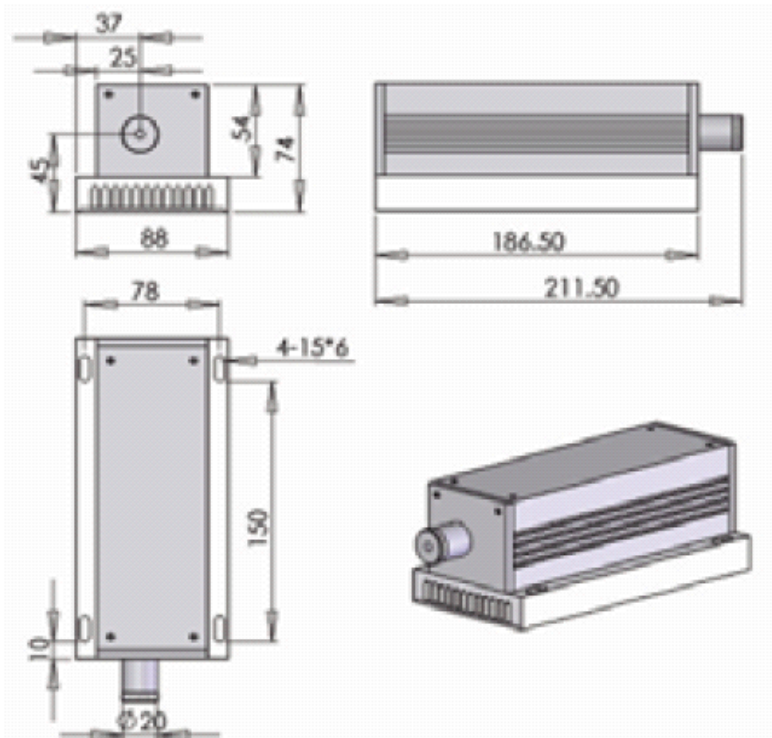


Diode Pumped Solid State Laser Module

Mechanical Dimension of Laser Driver with power 0.2W~0.3W:

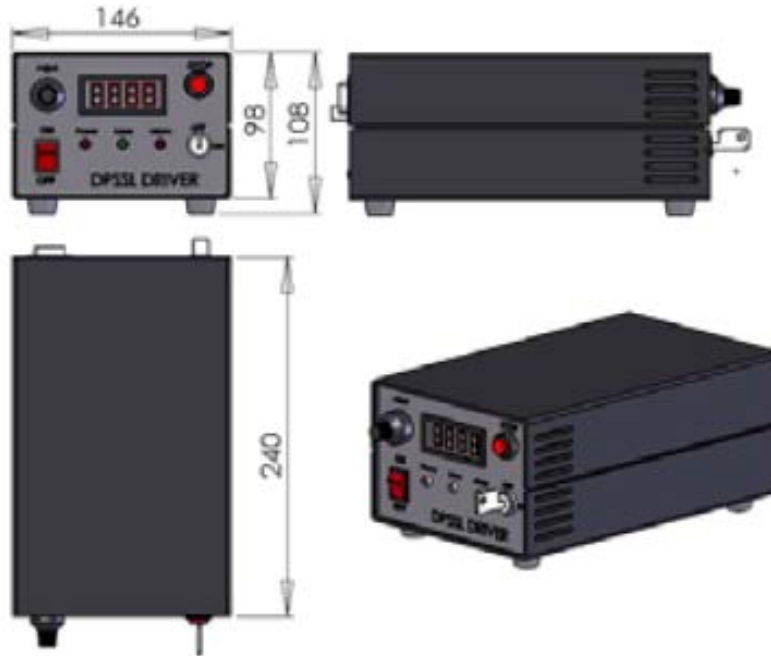


Mechanical Dimension of Laser Head with power 0.3W~0.6W:



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Mechanical Dimension of Laser Driver with power 0.3W~0.6W:



This component does not comply with the Federal Regulations (21 CFR Sub chapter 1) as administered by the Center for Devices and Radiological health. Purchaser acknowledges that his/her products must comply with these regulations before they can be sold to a customer. The output light from this product is harmful to a human body even if it is invisible. Avoid looking at the output of this product directly, or through a lens during operation. Observance of operation should be through a TV camera or related equipment. Refer to IEC 825-1 and 21 CFR 1040.10-1040.11 as a radiation safety standard for laser products.

RgBLase LLC follows a policy of continuous product improvement. Specifications are subject to change without notice.