

## Diode Pumped Solid State Laser Module

### Key Features:

- ◆ 355nm UV laser
- ◆ Stabilized Pulse Control
- ◆ High Rep. Rate
- ◆ High Peak Power
- ◆ ESD protection
- ◆ Plug & Play

### Applications:

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



### Specifications:

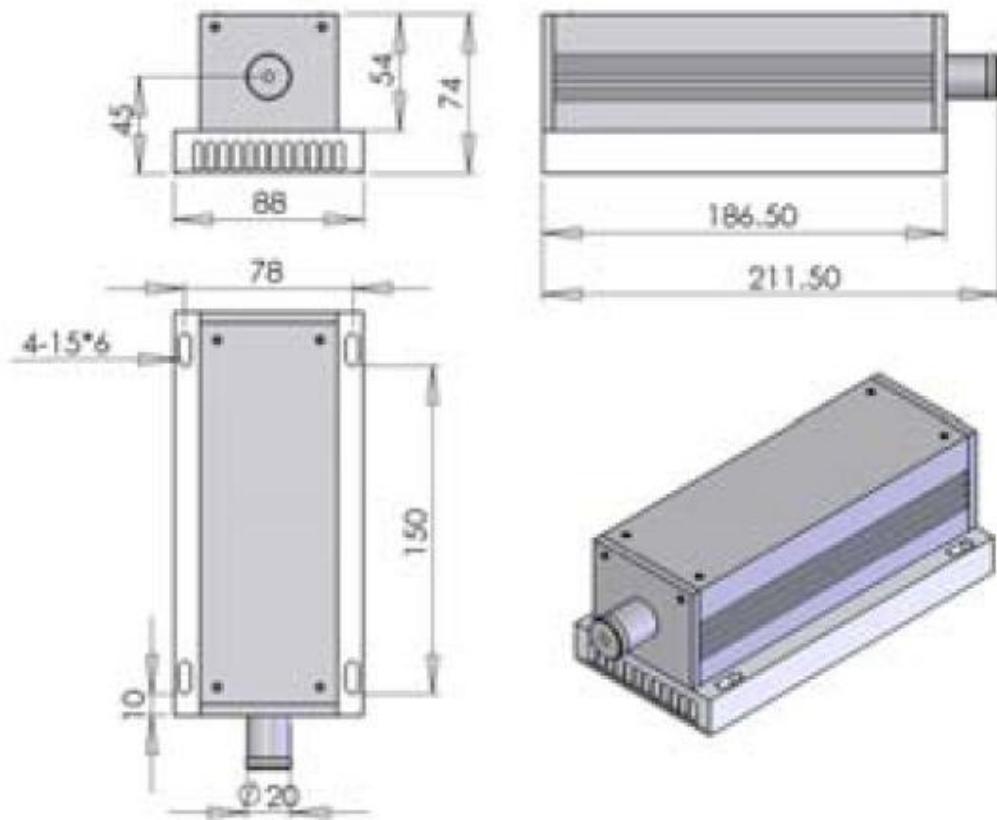
<b>Wavelength</b>	355+/-1nm
<b>Average Output power*</b>	1mW ~ 1000mW
<b>Output stability</b>	10% standard, 5% optional
<b>Single Pulse Energy</b>	0.1 ~ 50uJ
<b>Peak Power</b>	Up to 600kW
<b>Transverse beam mode</b>	Near TEM <sub>00</sub>
<b>Rep. Rate</b>	
For Average Power <100mW	Up to 5KHz with stabilized pulse
For Average Power 100mW ~ 1000mW	5 ~ 20KHz unstabilized pulse
<b>Pulse Duration</b>	
For Average Power <100mW	~7ns
For Average Power 100mW ~ 1000mW	~10ns
<b>Beam Diameter (1/e<sup>2</sup>)</b>	~2mm
<b>Polarization Ratio</b>	>100:1
<b>Pointing Stability After Warm Up</b>	<0.05mrad
<b>Beam height from base</b>	
< 30mW	45mm
50mW ~ 200mW	93.5mm

## Diode Pumped Solid State Laser Module

<b>Operating temperature</b>	10~35 degree C ( laser case)
<b>Warm up time</b>	< 15minutes
<b>Expected lifetime</b>	10,000hours
<b>Mechanical Dimensions(laser head)</b>	
< 100mW	211.3mm(L)X88mm(W)X74mm(H)
100m ~ 1000mW	333mm(L)X140mm(W)X125mm(H)
<b>Warranty</b>	1 year from the date ship out from out factory

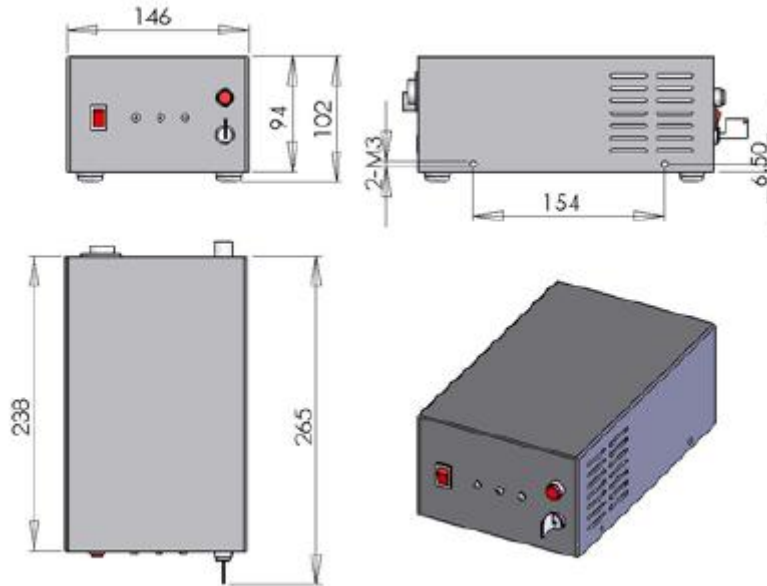
\* Average Power(mW)=Single pulse energy(uJ) X Rep rate(KHz)

### Mechanical Dimension of Laser Head with power <100mW:

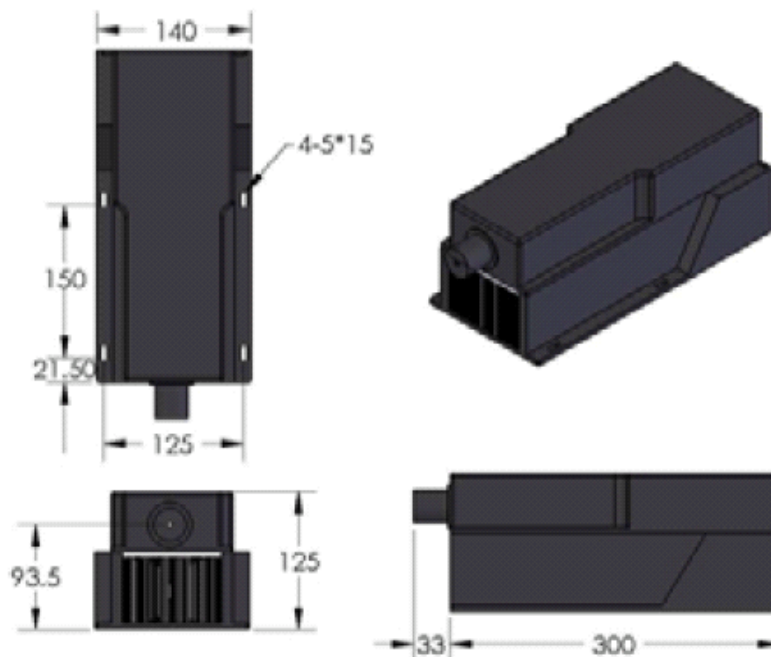


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## Mechanical Dimension of Laser Driver with power <100mW:

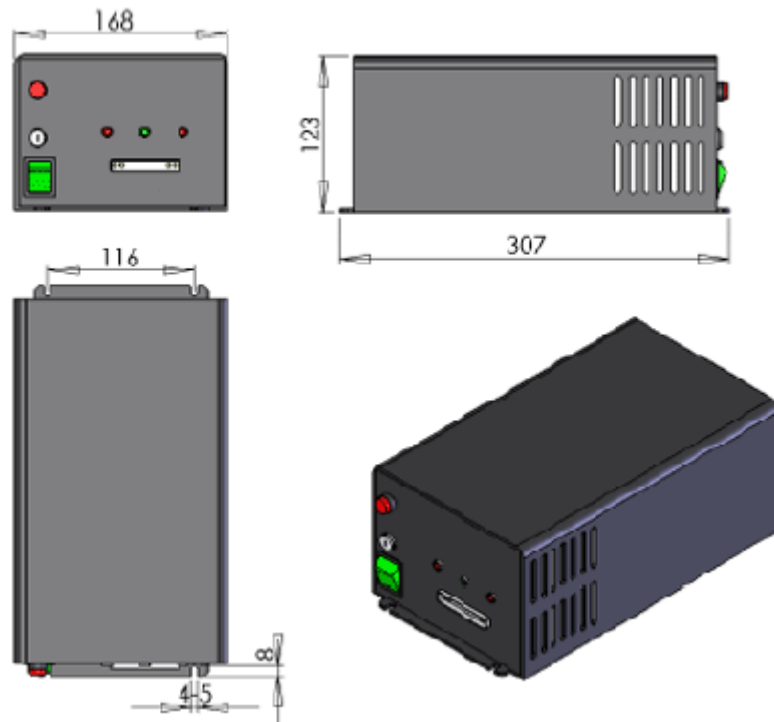


## Mechanical Dimension of Laser Head with power 100mW ~ 1000mW:



**Diode Pumped Solid State Laser Module**

**Mechanical Dimension of Laser Driver with power 100mW~1000mW:**



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.