



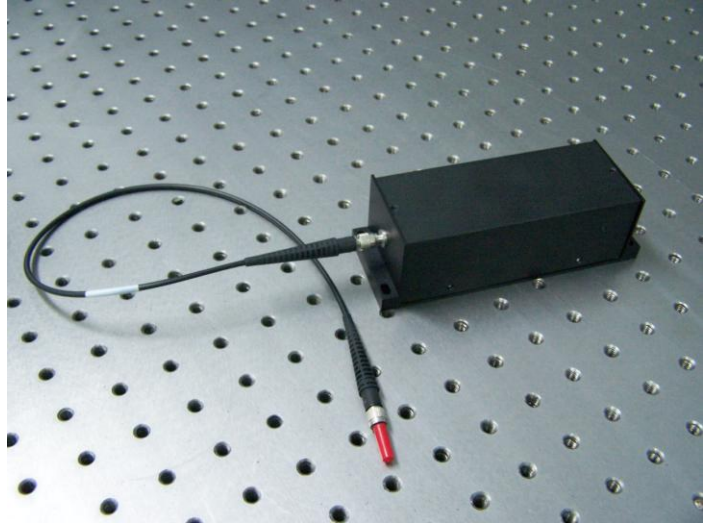
830nm Raman Laser Module

Key Features:

- ◆ Free space or fiber coupled
- ◆ Constant Power Control
- ◆ TTL Modulation Option
- ◆ ESD protection
- ◆ Plug & Play
- ◆ Low Optical Noise
- ◆ Stabilized Wavelength

Applications:

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



Specifications:

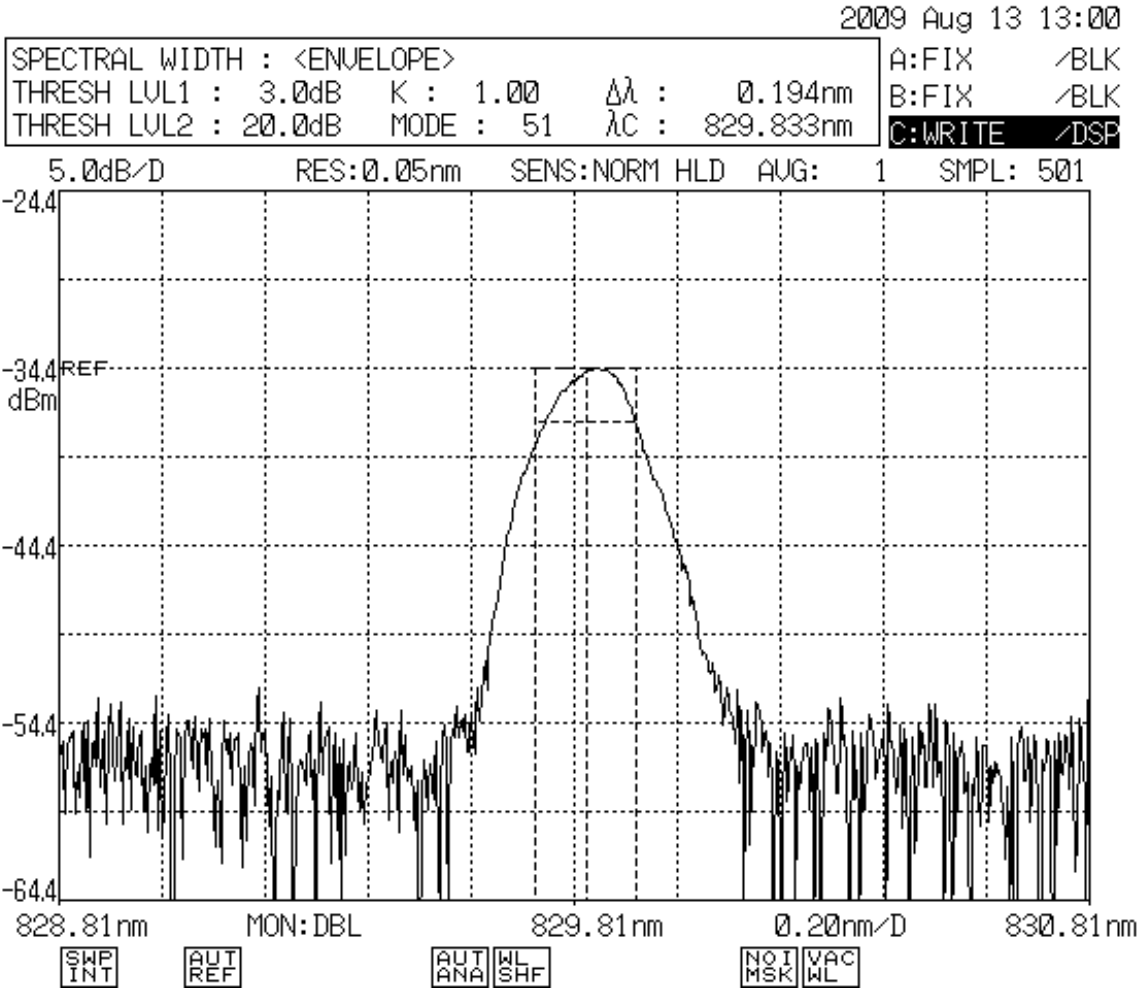
| | |
|------------------------|---------------------------------|
| Wavelength | 830nm \pm 1nm |
| CW Output power | 350mW, 500mW |
| Output stability | 3% |
| Noise (RMS) | <0.5% |
| Spectrum width | Max 0.2nm. |
| Wavelength Stability | 0.02nm |
| Beam Diameter | 3mmX3mm(multi transverse mode) |
| Fiber Type | Multi mode fiber |
| Fiber Core Diameter | 50um,100um, 200um, 400um |
| Connector | FC/PC or SMA |
| Fiber cable length | 1m |
| Fiber height from base | 20mm |
| Operating temperature | 0~40 degree C(laser case) |
| Warm up time | < 15minutes |
| Laser Head Dimensions: | |
| Fiber coupled | 42mm(H)X49mm(W)X140mm(L) |
| Free Space | 35mm(H)X35mm(W)X102mm(L) |
| Expected lifetime | >10,000hours |
| Power Supply | 80V ~ 240V AC |

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.

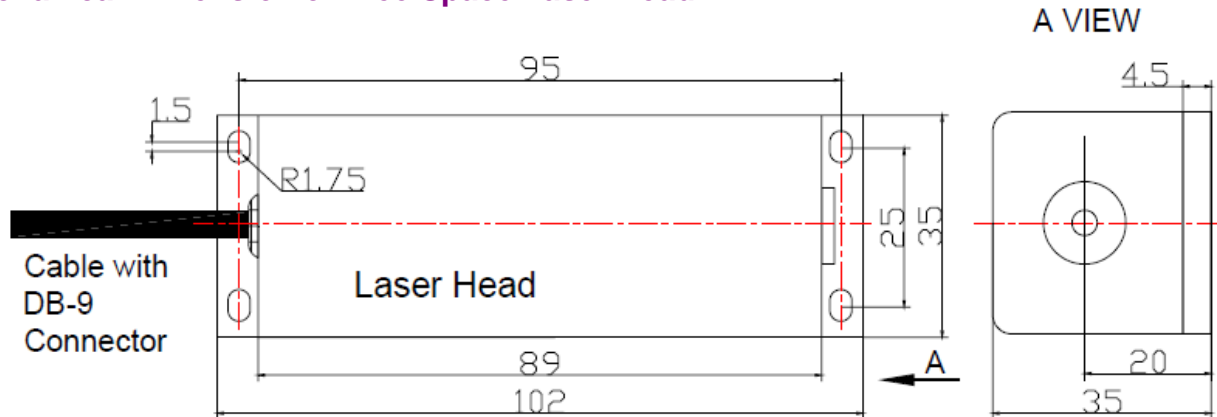
RGLase LLC follows a policy of continuous product improvement. Specifications are subject to change without notice.

830nm Raman Laser Module

Typical Optical Spectrum Performance



Mechanical Dimension of Free Space Laser Head

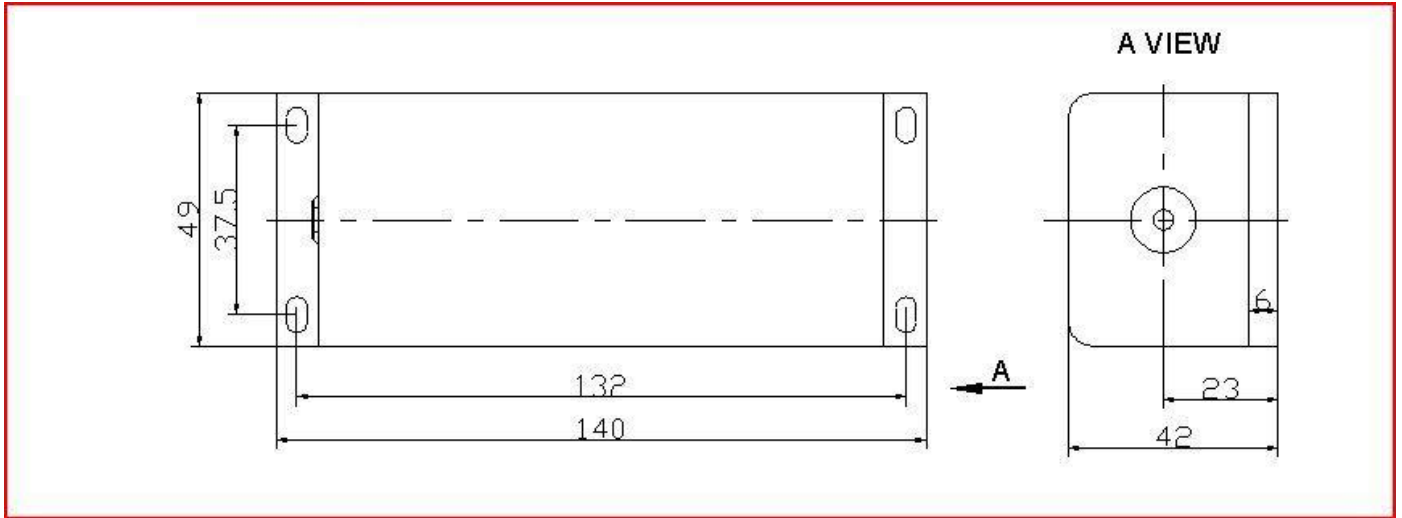


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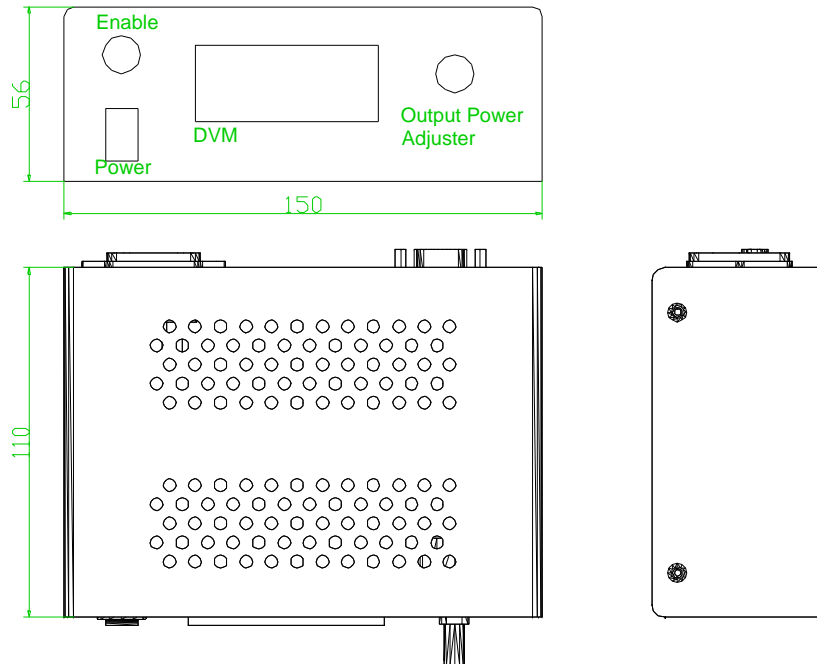


830nm Raman Laser Module

Mechanical Dimension of Fiber Coupled Laser Head



Mechanical Dimension of Laser Driver



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