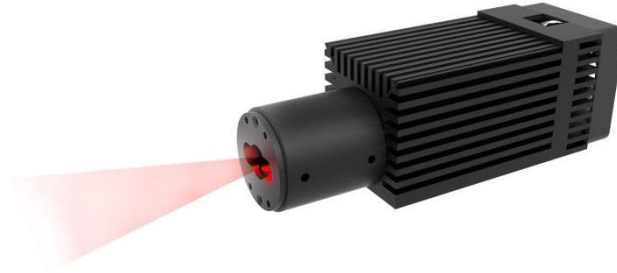




中国长春新产业光电技术有限公司
Changchun New Industries Optoelectronics Tech. Co., Ltd

PGL-V-H-L Series Laser



PGL-V-H-L Series Laser

The laser built-in cooling fan, no additional cooling is required. It is working at AC 100-240V wide voltage supply and made features of uniform power density, high straightness and good stability line beam.

The user can choose from IR, red, green, blue wavelengths depending on the application and material to be inspected.

PGL-V-H-L Series Laser with its industrial adaptive design and stable performance reliability works perfectly in collimation, laser medical treatment, scientific experiment, optical instrument, etc.

FEATURES

- Air cooling
- Wide voltage supply(100-240VAC)
- Optical output power up to 2W
- Wavelength from 405-1550nm
- Long lifetime
- Easy operating

APPLICATIONS

- Collimation
- Laser medical treatment
- Scientific experiment
- Optical instrument



SYSTEM SPECIFICATION*

Wavelength	nm	405	450	462	520	635	655	808
Wavelength tolerance	nm (typical)	±10	±10	±10	±10	±10	±10	±10
Output power	mW	1-1000	1-2000	1-1000	1-1000	1-800	1-1000	1-2000
Line width	<250mm	40-200μm						
Line width	@1m	<1.0mm						
Line angle		7°, 10°, 15°, 30°, 45°, 50°, 60°, 75°, 90°, 110° <i>customize</i>						
Laser operation mode		CW						
Expected lifetime	hours	10000						
Warranty	years	1						

Other wavelength between 405-1550nm is optional

ELECTRICAL SPECIFICATIONS

Operating voltage(PSU-V-OEM)	AC 100-240V			
Operating voltage(PSU-I-OEM)	DC6V	DC6V	DC5V	DC5V
	DC12V or 24V			
Modulation optional	TTL 30kHz and Analog 0-5V			
Connection	DB9 serial port			

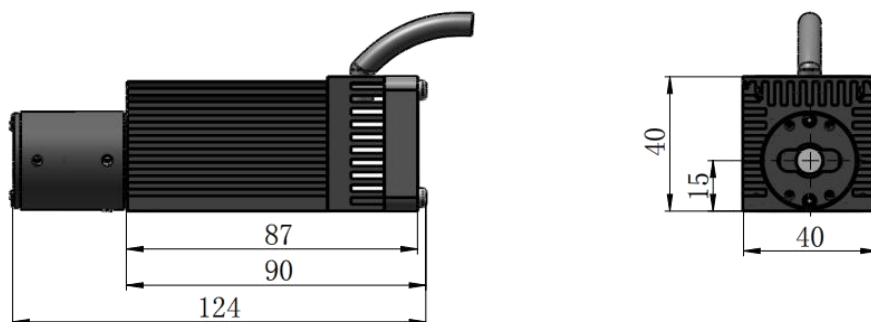
ENVIRONMENTAL CONDITIONS

Operating temperature	°C	-10°C to 50°C
Storage temperature	°C	-20 °C to 80 °C
Humidity	%	< 90 %, non-condensing

MECHANICAL SPECIFICATIONS

Weight	g	300g
Dimensions	mm	124 × 40 × 40mm ³
Material	Aluminum	

Dimensions of PGL-V-HL (mm):

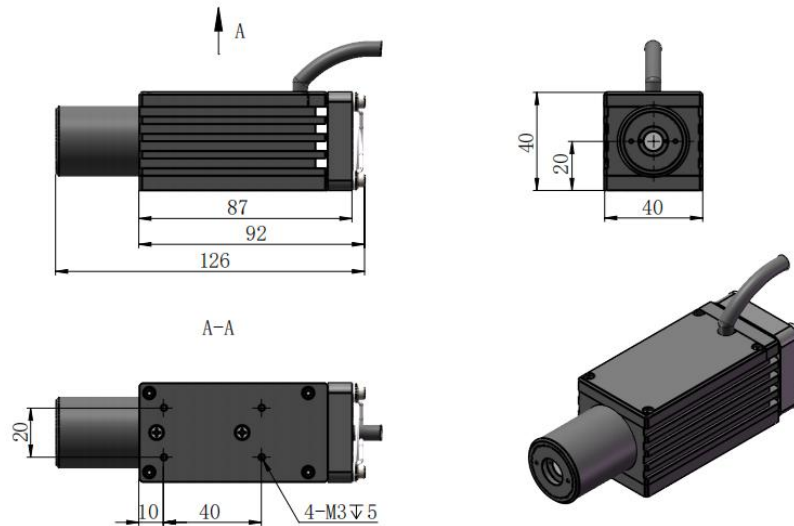


*All testing data under the conditions of temperature 25 ° C.



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Dimensions of PGL-V-H-LR *shock-resistant* (mm):



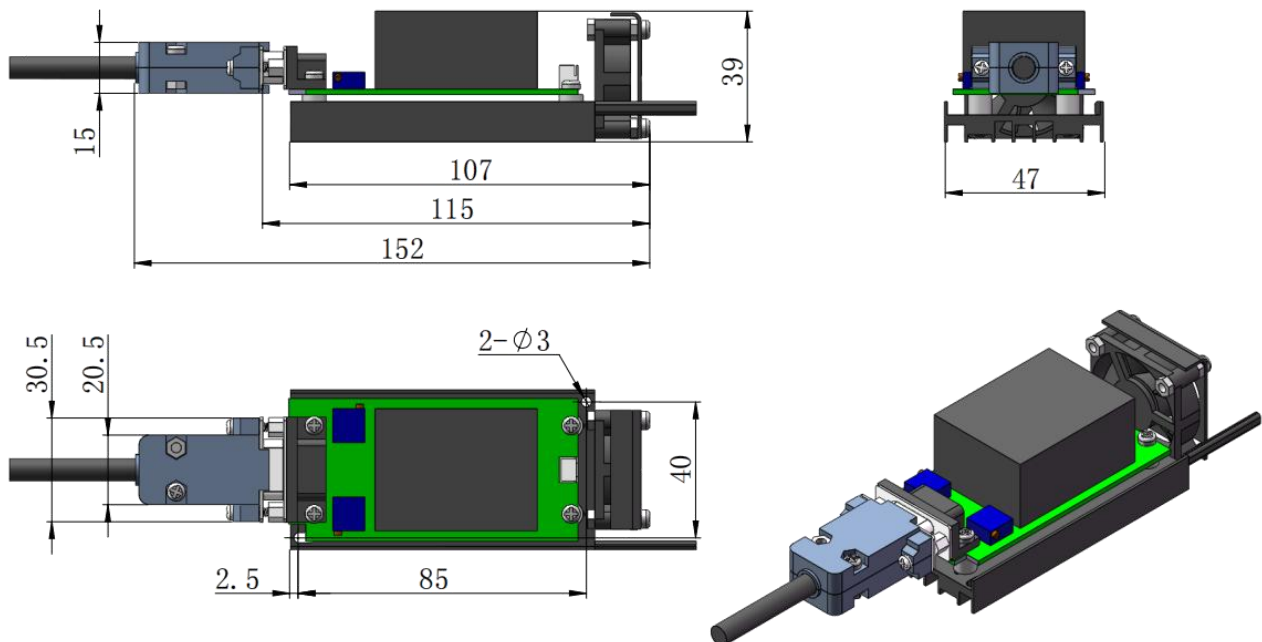
shock-resistant parameters:

10-100HZ, double amplitude:1.5mm, XYZ directions for 1hour, Deviation of line width<0.05mm

Anti-impact parameters:

10g, each direction 5 times for XYZ directions, Deviation of line width<0.05mm

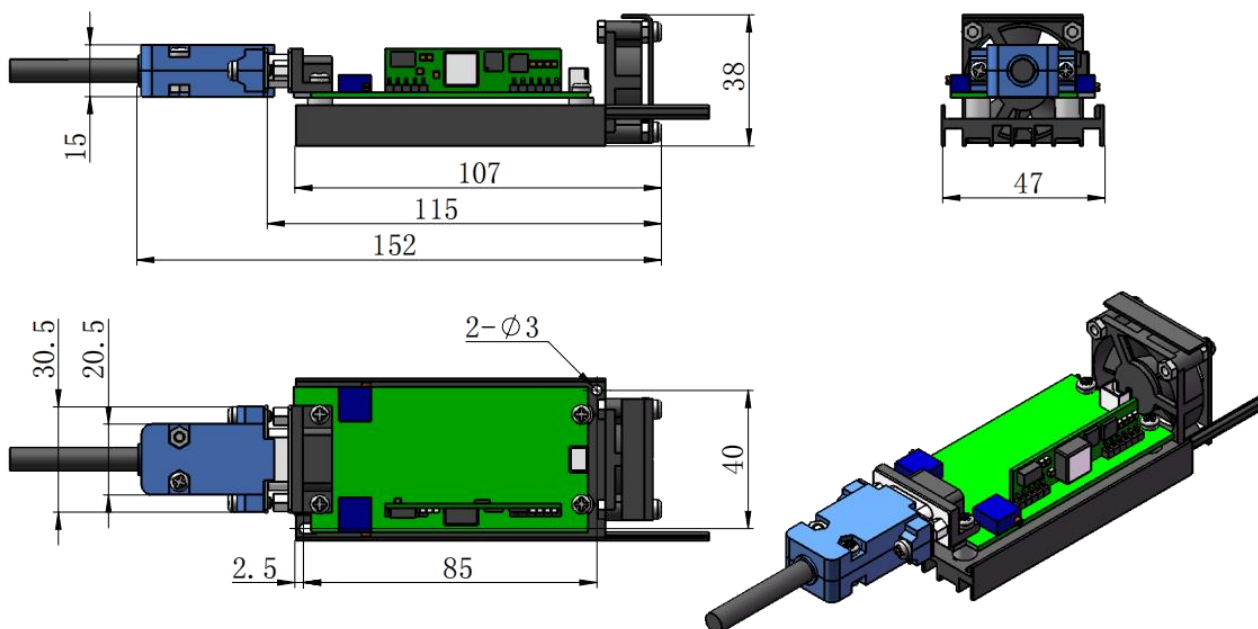
Dimensions of PSU-V-OEM power supply
(107×47×39mm³, 100-240VAC, TTL 30kHz and Analog 0-5V)



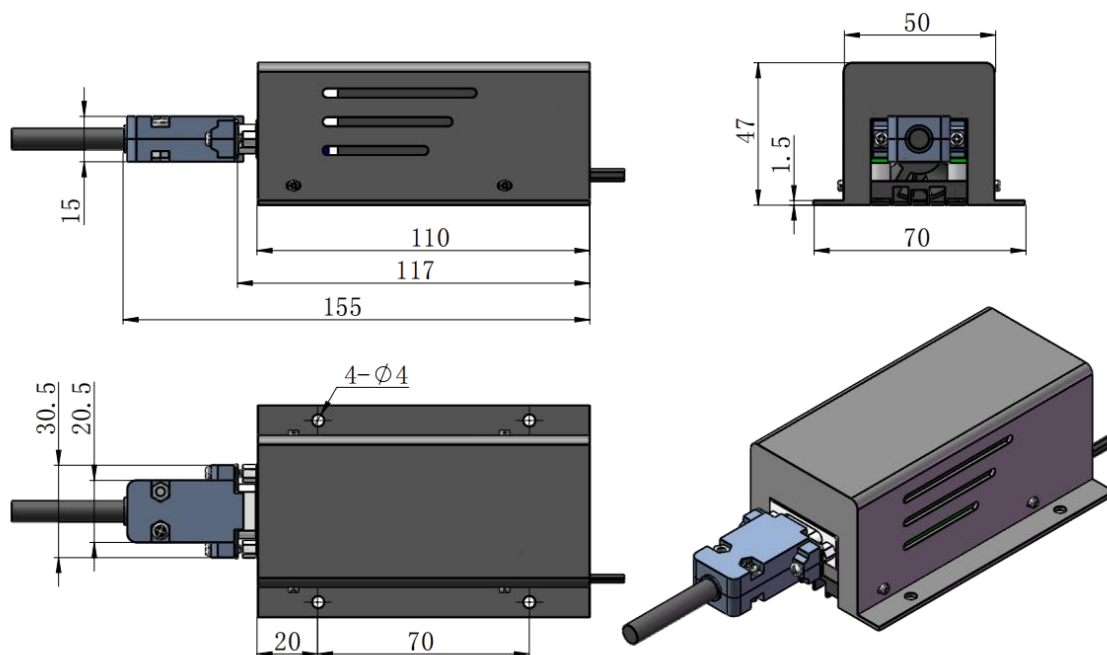


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Dimensions of PSU-I-OEM power supply
(107×47×38mm³, 5V/6V/12VDC, TTL 30kHz and Analog 0-5V)



Dimensions of PSU-V-OEM and PSU-I-OEM power supply with dust cover(110×70×47mm³)





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Dimensions of PSU-V-OEM and PSU-I-OEM power supply with adjustable knob(110×70×84mm³)

