



PGL-FS-655



Diode red laser module at 655nm is made features of round beam, ultra compact, long lifetime, low cost and easy operating, which made it be used widely in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser show. etc.

SYSTEM SPECIFICATIONS*

Wavelength	nm	655
Wavelength tolerance	nm	±10
Output power	mW	1-150
Power stability(rms, over 4 hours)		<5%, <3%, <1%
Operating mode		CW
Transverse mode		Near TEM ₀₀
Beam diameter at the aperture(1/e ²)	mm	~4.5
Beam divergence, full angle	mrاد	<1
Warm-up time	minutes	<10
Beam height from base plate	mm	15
Expected lifetime	hours	10000
Warranty	years	1

ELECTRICAL SPECIFICATIONS

Operating voltage(PSU-II-OEM)	5V (TTL30kHz or Analog 0-5V,optional)
Connection	Cable with flying leads
Operating voltage(PSU-V-OEM)	100-240VAC(TTL30kH and Analog 0-5V,optional)
Operating voltage(PSU-I-OEM)	12VDC (TTL30kHz and Analog 0-5V,optional)
Connection	9 pin connector

ENVIRONMENTAL CONDITIONS

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

MECHANICAL SPECIFICATIONS

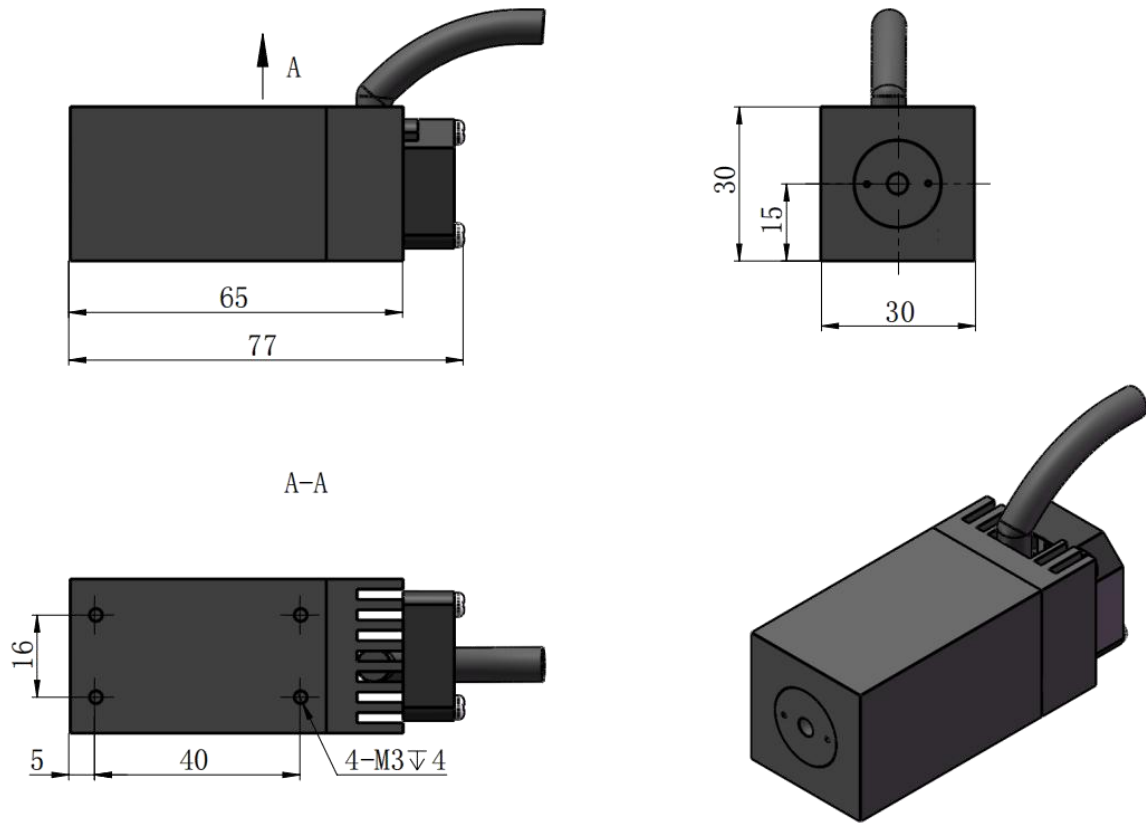
Dimensions of laser head	77(L)×30(W)×30(H)mm ³
Material	Aluminum

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

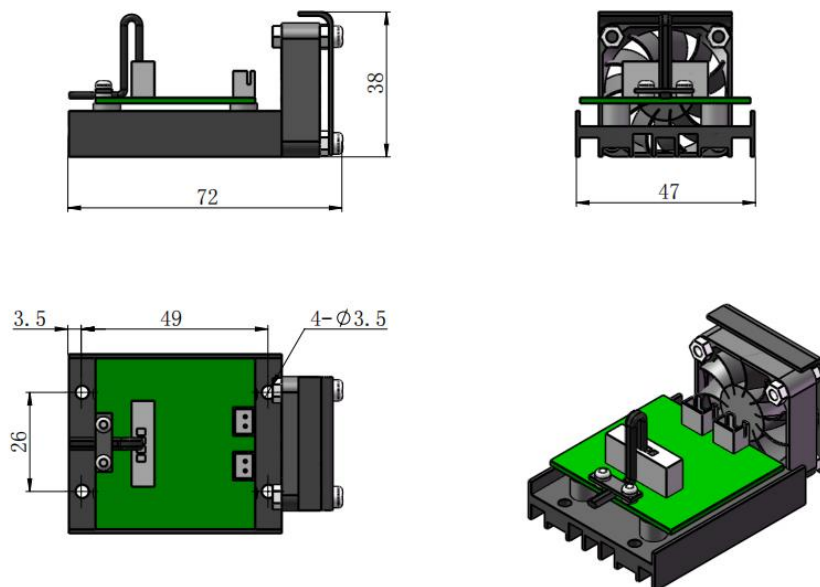


中国长春新产业光电技术有限公司
Changchun New Industries Optoelectronics Tech. Co., Ltd

Dimensions of laser head(77×30×30mm³)



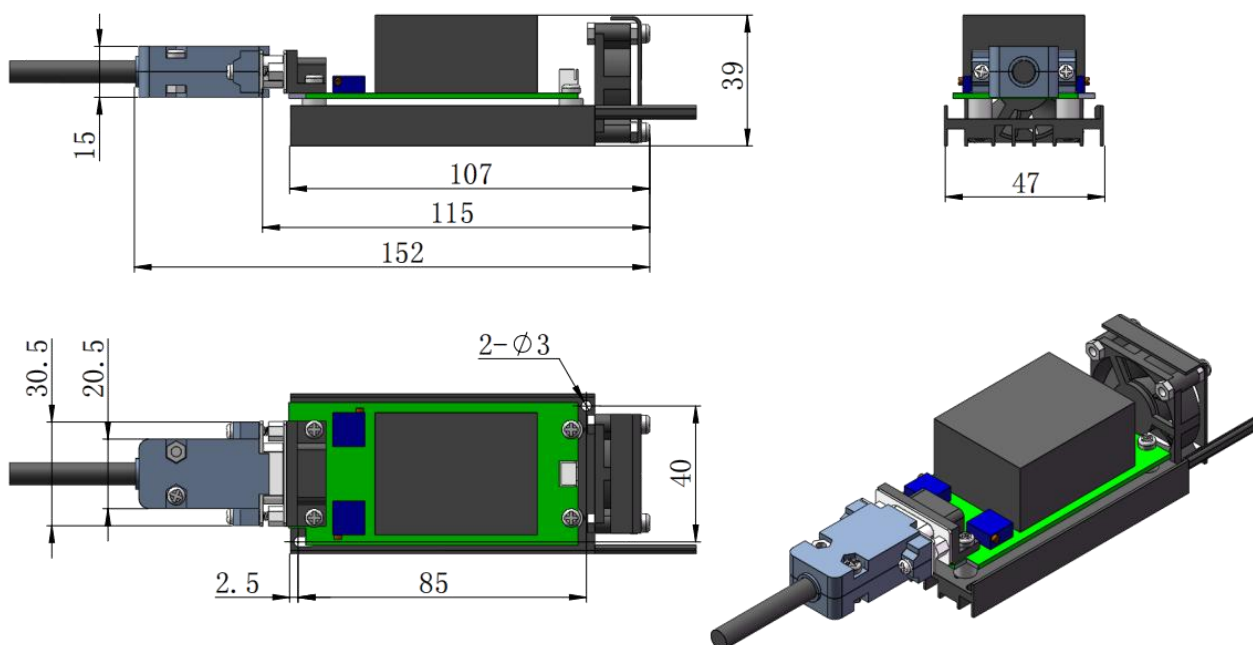
Dimensions of PSU-II-OEM power supply(72×47×38mm³, 5VDC, TTL 30kHz or Analog 0-5V)



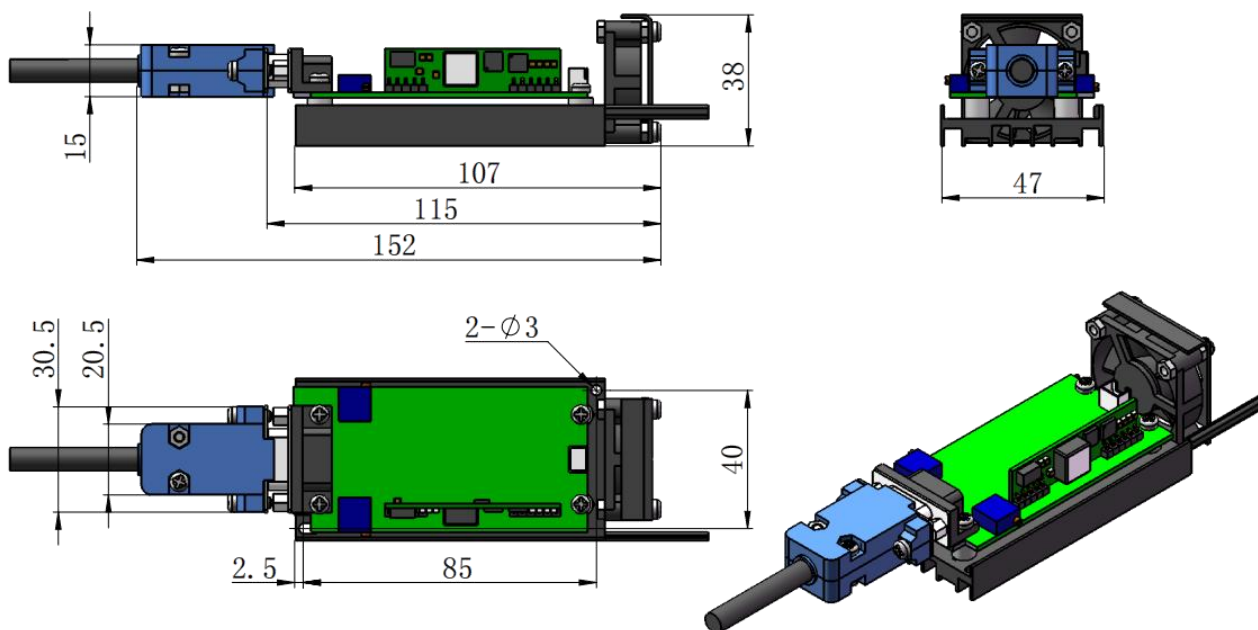


中国长春新产业光电技术有限公司
Changchun New Industries Optoelectronics Tech. Co., Ltd

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



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





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

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

