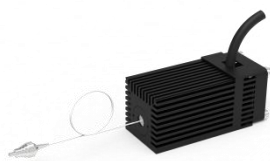




中国长春新产业光电技术有限公司
Changchun New Industries Optoelectronics Tech. Co., Ltd

PGL-V-H-FP Series



Single mode pigtail laser module is made features of ultra compact, the transverse mode can reach TEM₀₀ after matching the end collimator, good stability.

SYSTEM SPECIFICATIONS*

Wavelength (nm)	Power (mW)	Fiber core (μm)	connector	Fiber Length	Shielded cable	Power stability
405±10	1-50	3	FC/SMA905	>80cm	0.9mm	<1%
445±10	1-50	3				
460±10	1-50	3				
480±5	1-20	3				
488±10	1-30	3				
495±5	1-20	3				
505±10	1-30	3				
520±10	1-50	3				
633±5	1-50	4				
635±10	1-100	4				
658±10	1-100	4				
670±10	1-5	4				
685±10	1-20	4				
785±10	1-50	5				
808±10	1-30	5				
830±10	1-100	5				
850±15	1-70	5				
880±10	1	5				
905±10	1-70	5				
940±15	1-100	5				
980±10	1-10	6				
1064±15	1-10	6				
1310±10	1-15	9				
1550±10	1-10	9				

ELECTRICAL SPECIFICATIONS

Operating voltage(PSU-V-OEM)	100-240VAC
Operating voltage(PSU-I-OEM)	5VDC
Modulation optional	TTL30kHz and Analog 0-5V
Connection	9 pin connector

*All testing data is under the condition of temperature 25℃



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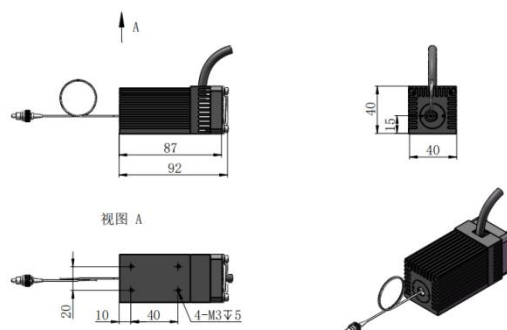
ENVIRONMENTAL CONDITIONS

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

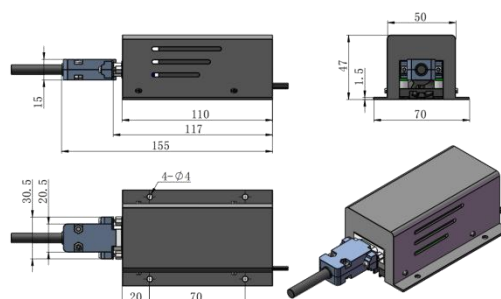
MECHANICAL SPECIFICATIONS

Dimensions of laser head		92(L)×40(W)×40(H)mm ³
Dimensions of laser head PCB		110×70×47mm ³
Material		Aluminum

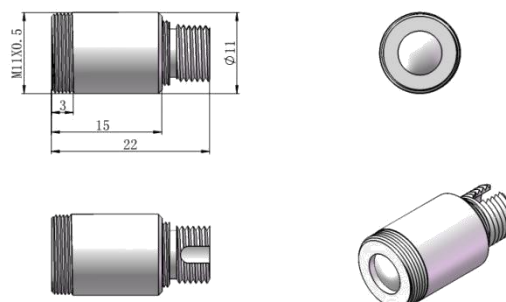
Dimensions of laser(40×40×92mm³)



Dimensions of external PCB((110×70×47mm³),TTL and Analog



Dimensions of collimator(mm)

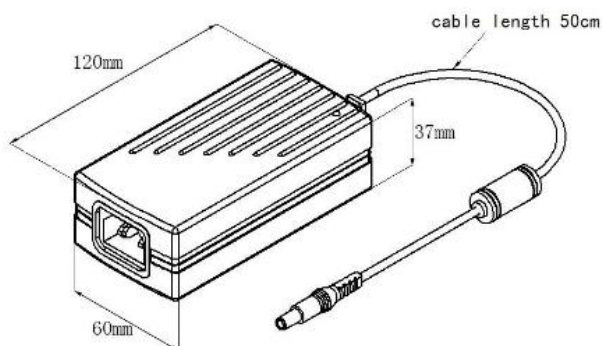


Beam diameter at the aperture: $\sim 2(1/e^2, \text{ mm})$
Beam divergence, full angle: $< 1(\text{ mrad})$



POWER ADAPTER**

Input		85-264V AC 47/63Hz
Output		DC 5V 5A
Adapter size	mm	120 x 60 x 37mm
Adapter cable length	m	0.5m
Cable connector		Easy connect/disconnect jack
Dimensions of power adapter (mm):		



The Universal Diode Laser Module Power Supply with CE-marked provide a well-regulated 5 VDC. This auto ranging power module can be connected to any 85-264 VAC 47/63 Hz supply. There is an IEC 60320 input socket and a 0.5m output cable terminated with an easy connect/disconnect jack socket. The Headset connector which could also be found in accessories is compatible with the power supply jack.

**CNI provides other types of power adapters to meet customer demand, please contact sales for details.