

PGL-FP Series



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

SYSTEM SPECIFICATIONS*

Wavelength (nm)	Power (mW)	Fiber core (μm)	connector	Fiber Length	Shielded cable	Transverse mode
405±10	1-50	3	FC/SMA905	>80cm	0.9mm	TEM ₀₀
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(internal PCB)	5-12VDC(TTL or Analog0-3V,0-5V)
Operating voltage(external PCB)	5-12VDC(TTL or Analog0-3V,0-5V)

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

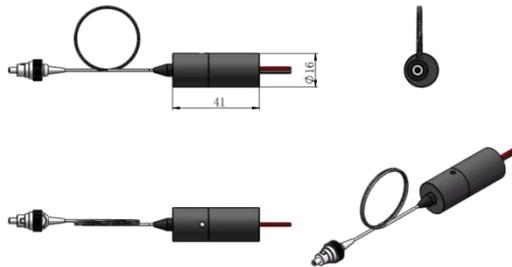
ENVIRONMENTAL CONDITIONS

Operating temperature	°C	10°C to 35°C
Storage temperature	°C	-10°C to 70°C
Humidity	%	<90 %, non-condensing
Dissipated heat	W	<1.5W

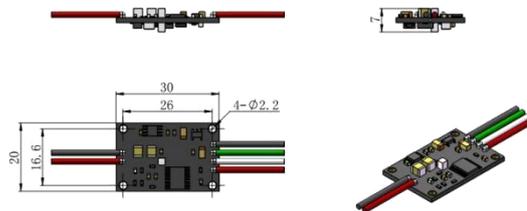
MECHANICAL SPECIFICATIONS

Diameter head (external PCB)	mm	Φ16×41mm ²
Diameter head (internal PCB)	mm	Φ26×80mm ²
Material		Aluminum

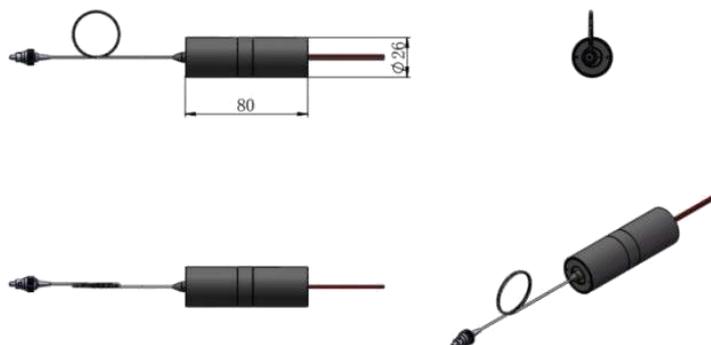
Dimensions of laser(Φ16×41mm²)



Dimensions of external PCB(20×30mm²,5-12VDC,TTL and Analog)



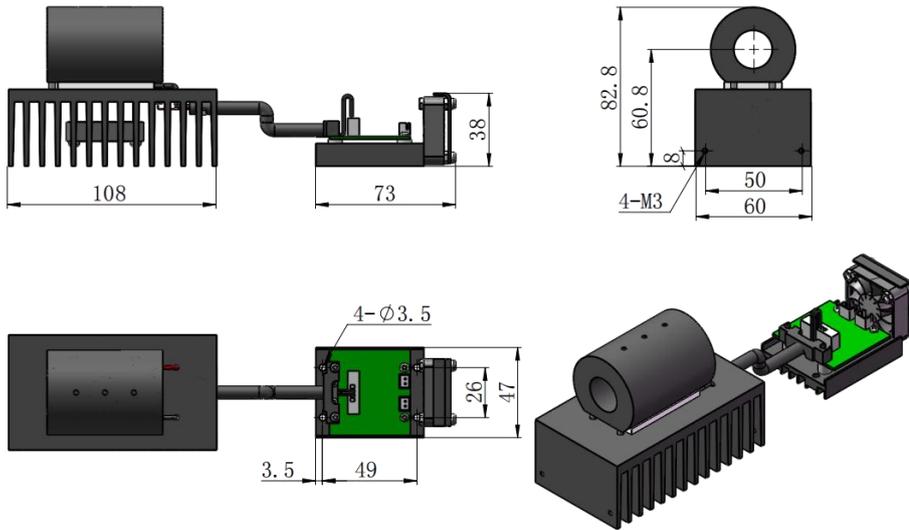
Dimensions of laser internal PCB(Φ26×80mm²,5-12VDC,TTL and Analog) **Recommended**





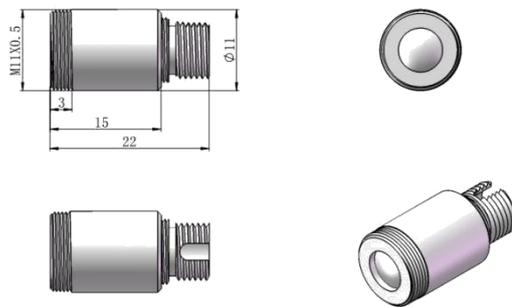
中国长春新产业光电技术有限公司
Changchun New Industries Optoelectronics Tech. Co., Ltd

Dimensions of TEC(mm)



Please work with TEC(5VDC) to maintain the stability under 1% .

Dimensions of collimator(mm)



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