

## 405nm/600mW Fiber Coupled Laser Module

### Specification of LY4060AC9A-60

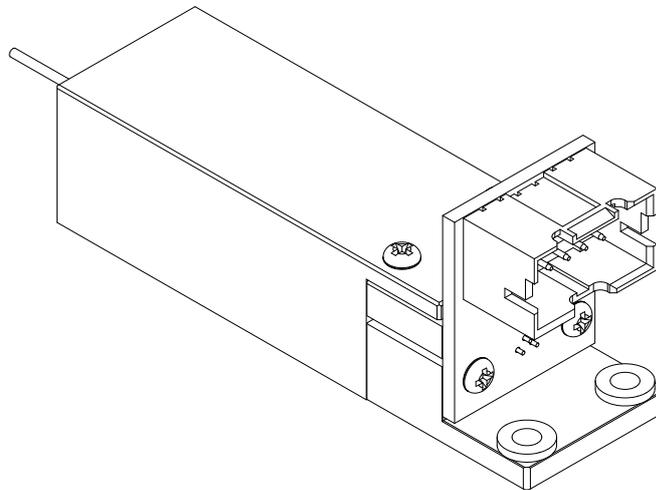
#### Features :

- Optical power: 600mW(CW)
- Violet laser : : 400-410nm Low
- working current: 450mA(TYP.)
- Low working voltage: 4.2V(TYP.)

#### Application

- PCB Plate Making
- Fluorescence Excitation
- Material Processing
- Biochemical Research
- Criminal Investigation
- UV Exposure

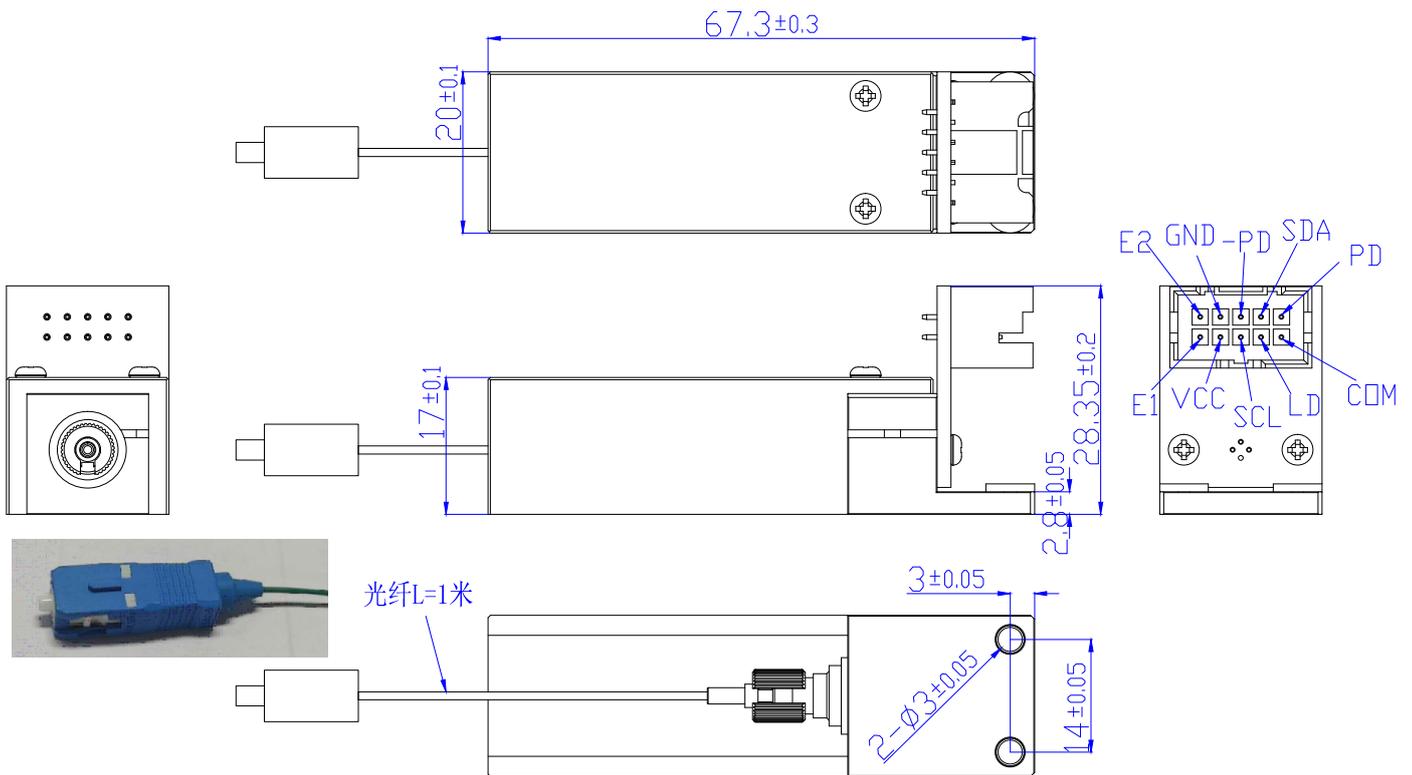
#### Appearance



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Dimension:



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#### Absolute Maximum Ratings (TC=25°C)

Item	Symbol	Ratings	Unit/Condition
Optical output power	PO	600	mW
LD Reverse Voltage	VR(LD)	T.B.D	V
Operating Temperature	TOPR	17-25	°C
Working Relative Humidity	RH	50%-70%	No condensation
Storage Temperature	TSTG	-35~+80	°C

#### Optical and Electrical Characteristics (TC=25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Output Power	Po	550	-	-	mW	
Threshold current	Ith	-	110	180	mA	
Working current	Iop	-	450	600	mA	
Working Voltage	Vop	-	4.2	4.9	V	
Wavelength	$\lambda$	400	405	410	nm	
Coupling Efficiency	$\eta$	80	-	-	%	Fiber Core Diameter 60um
Shell Polarity				0	+/-/0	No polarity

Note: it is recommended to use the device below 2000m above sea level.

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BU-LASER's special reminder: Please pay attention to electrostatic protection during transportation and use of laser products, and please do not exceed the maximum value in the application, so as to avoid the rapid aging of the laser.

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The laser will cause direct or indirect damage to the human body, especially the eyes. If you need to observe the laser, please use an ultraviolet camera to observe it.