405nm/600mW Fiber Coupled Laser Module

Specification of LY4060AS10A-105

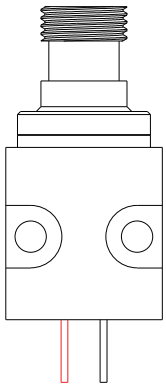
Features :

- Light Output Power : 600mW(CW)
- Violet Lasing : 400-410nm
- Low Operating Current : 420mA(TYP.)
- Low Operating Voltage : 4.4V(TYP.)

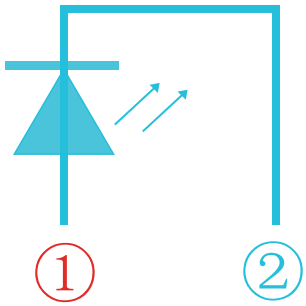
Application

- Direct imaging for PCB
- Fluorescence Excitation
- Material Processing
- Biochemical Research
- Criminal Investigation
- UV Exposure

Appearance



Internal Circuit



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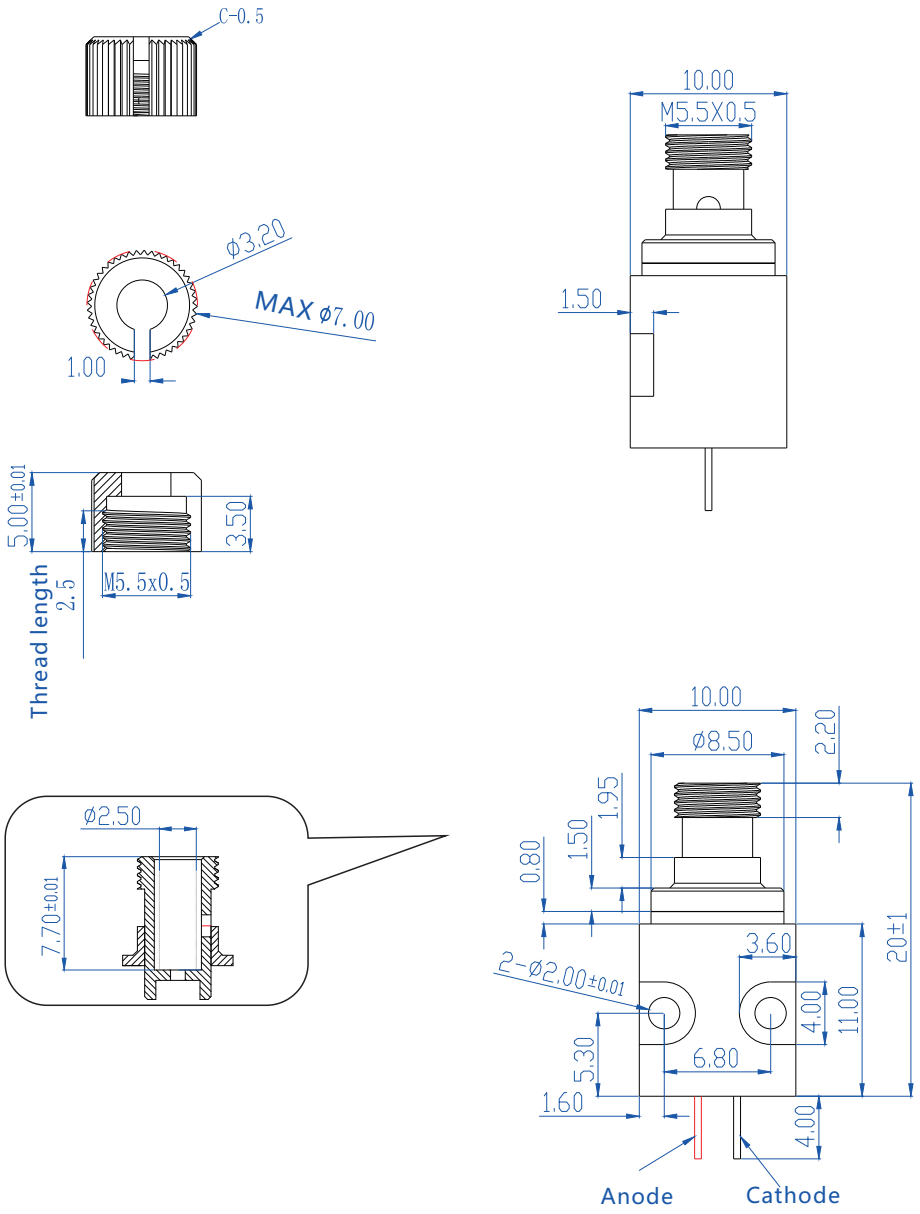
Dimensions:



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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)	2	V
Operating Temperature	TOPR	17-25	℃
Working Relative Humidity	RH	50%-70%	No condensation
Storage Temperature	TSTG	-40~+80	℃

Optical and Electrical Characteristics (Tc=25°C)

Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Threshold current	Ith	-	120	180	mA	
Operating current	Iop	-	420	450	mA	PO=550mW
Operating voltage	Vop	-	4.4	5.4	V	PO=550mW
Lasing Wavelength	λ	400	405	410	nm	PO=550mW
Coupling Efficiency	η	80	85	-	%	Fiber core diameter 105/125μm
Shell Polarity				0	+/-/0	No polarity

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

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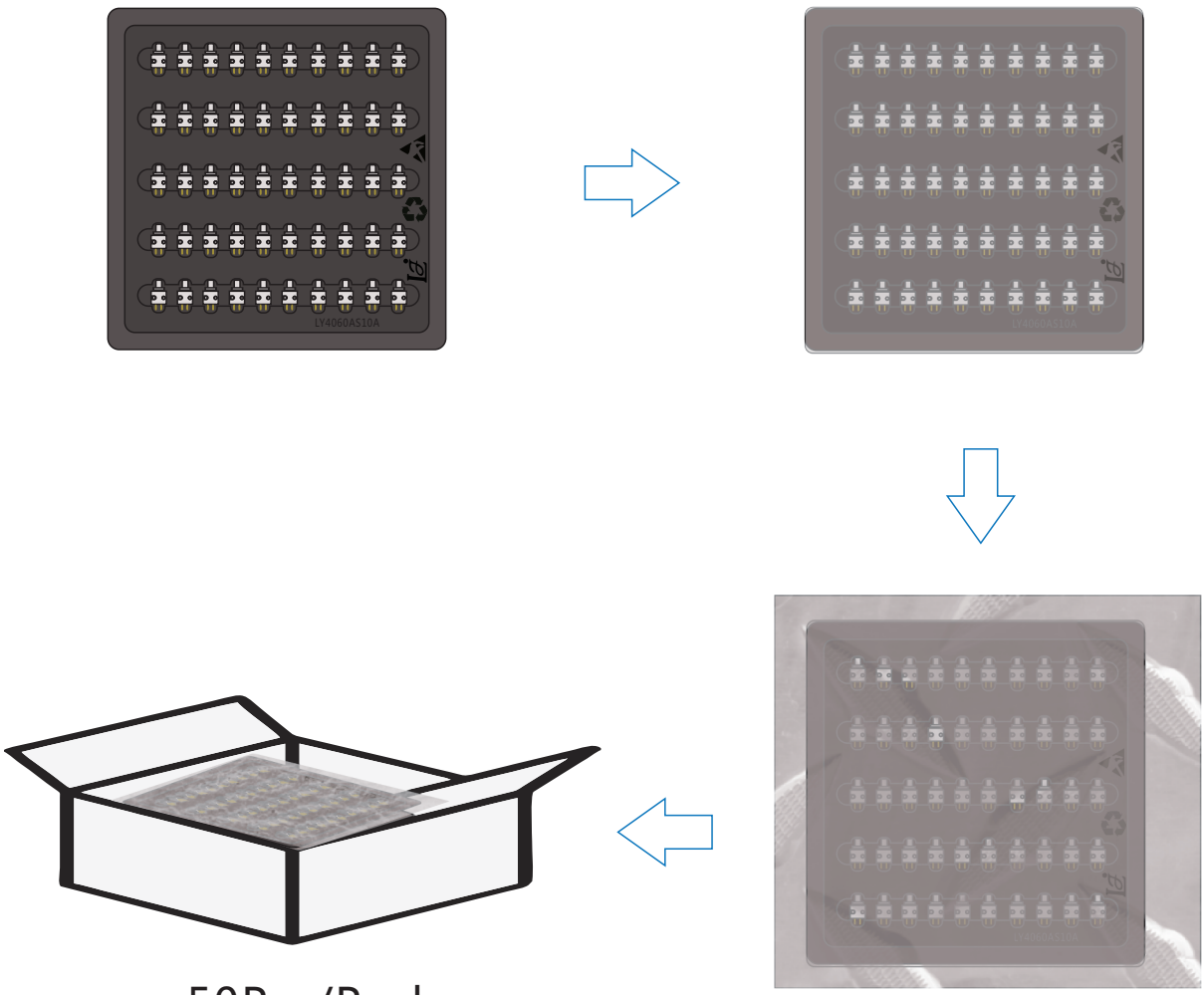
External appearance of packing：



50Pcs/Pack
Size:L235XW210XH38㎜

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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.