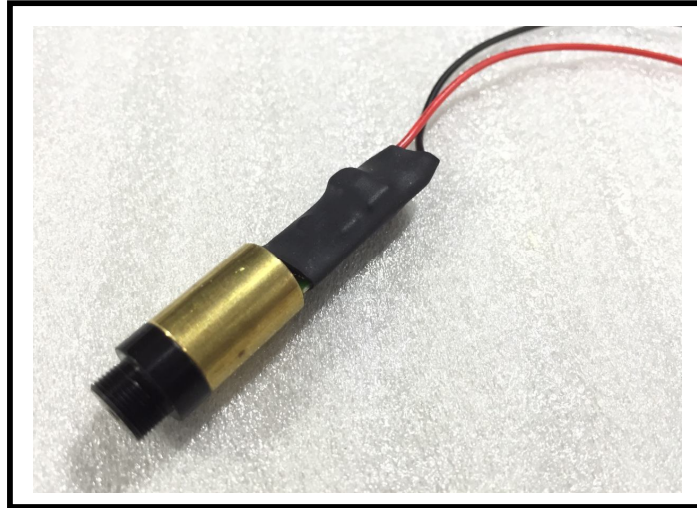


405nm BLUE LASER MODULE

Model # : BLM-5(405)

Product image



Features

- Structure: Blue Laser Diode
- Output power: ClassIIIa<5mW
- Transverse Mode: TEM00
- Current Mode: Auto Current Control

Applications

- Science
- Laser pointer

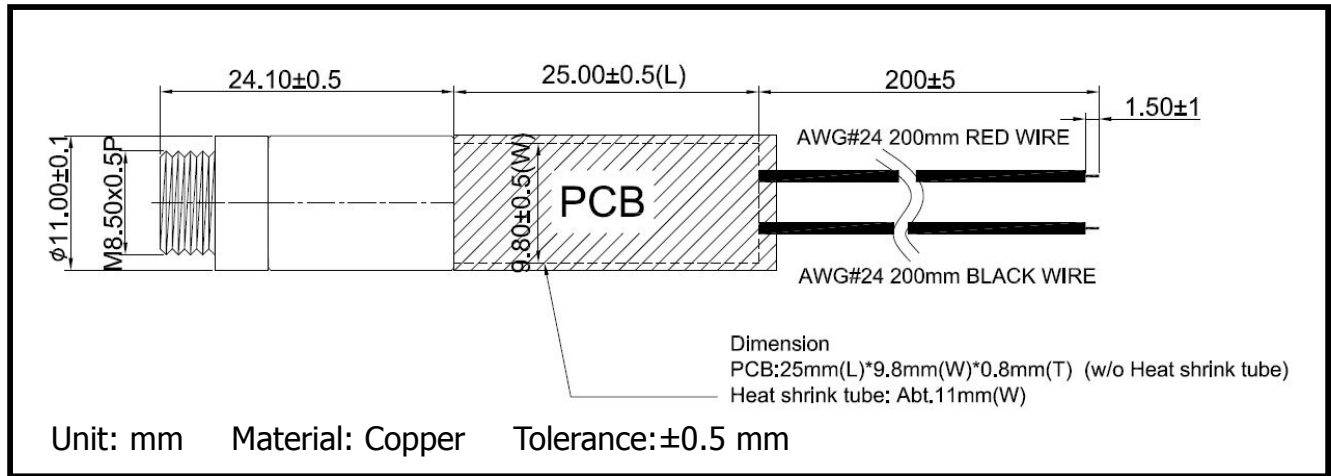
Remark

- Inspection environment temperature:**20~30**°C ± 2 °C ; Humidity:40~60%
- MTTF:3000 hours

Beam spot spec

- Spot diameter (main spot): 5M Main light spot diameter ≤ 10x10 (Exclude light halo)

Dimension Spec.



Class IIIa < 5mW

Absolute maximum ratings

Parameter	Symbol	Rating	Unit
Supply voltage		DC 3V~7V	
Operating current	I_{op}	<450	mA
Operating temperature	T_{opr}	+10~+50	$^{\circ}C$
Storage temperature	T_{stg}	0~+60	$^{\circ}C$

Specifications 1) 2)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Spot diameter (main spot)	-	5M	-	-	10	mm
Wavelength	λ_P		395	405	415	nm
Beam Divergence	$2\theta_r$		-	-	2.5	mrad
Output power	P_0	In 10cm laction	2	3.5	4.5	mW

1) Initial values 2) Each value is measured by using our measuring instrument 3) $\Delta 1$: The distance from laser beam window

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