



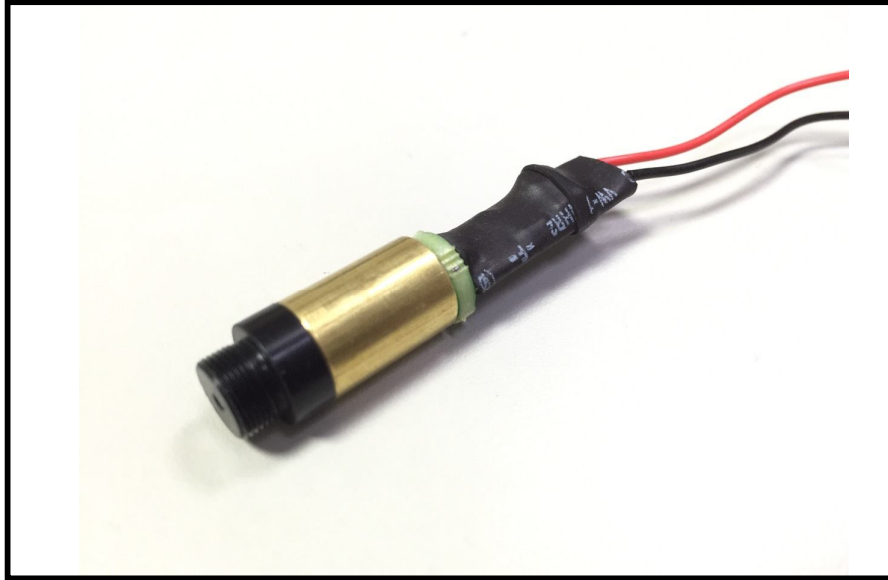
Specification Sheet

Rev.001
Date:2015/12/30

450nm BLUE LASER MODULE

Model # : BLM-1(450)

Product image



Features

- Structure: Blue Laser Diode
- Output power: ClassII<1mW
- 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)

Lightvision Technologies, Corp.

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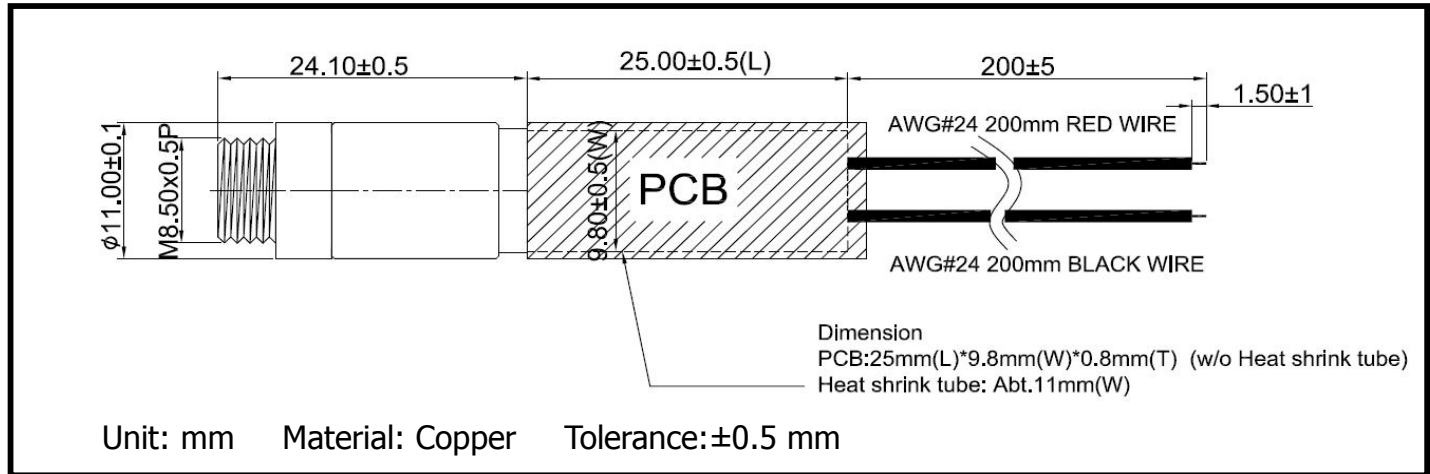
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Dimension Spec.



Class II < 1mW

Absolute maximum ratings

Parameter	Symbol	Rating	Unit
Supply voltage		DC 3V~7V	
Operating current	I _{op}	<450	mA
Operating temperature	T _{opr}	+10~+50	°C
Storage temperature	T _{stg}	0~+60	°C

Specifications 1) 2)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Spot diameter (main spot)	-	5M	-	-	10	mm
Wavelength	λ_P		440	450	460	nm
Output power	P ₀	In 10cm laction	0.3	0.65	0.9	mW

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