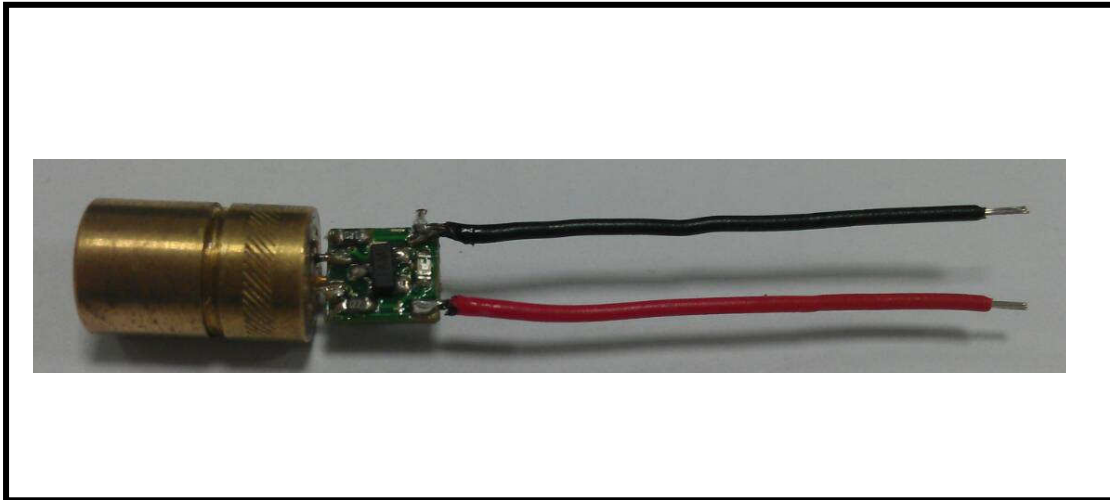


RED LASER MODULE

Modle # : RLM-1-2(8mm)

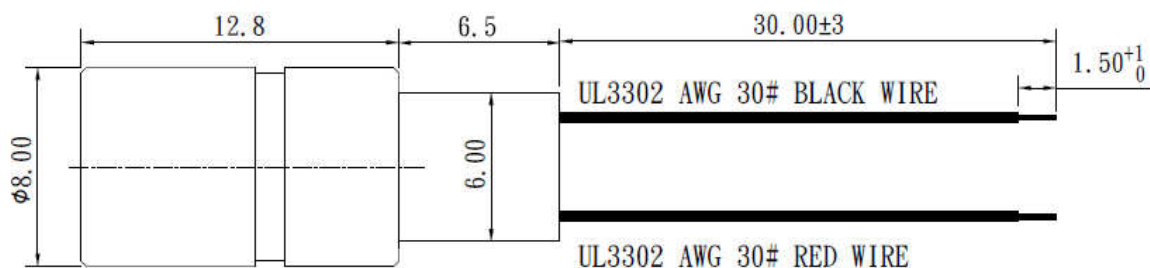
Product image



Features

- Structure : Laser diode
- Output power : ClassII<1mW , ClassIII<5mW
- Operating temperature : +15~+40°C

Dimension Spec.



Unit: mm Material: Copper Tolerance:±1.0 mm

Lightvision Technologies, Corp.

6F#5 , NO. 40-2, Sec. 1, Ming Sheng N. Rd., Kwei-Shan , Taoyuan 333, Taiwan

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Specification Sheet

Rev.001
Date:2013/08/01

ClassII<1mW

Absolute maximum ratings

Parameter	Symbol	Rating	Unit
Supply voltage		<3.3V	
Operating current	Iop	<35	mA
Operating temperature	Topr	-10~+40	°C
Storage temperature	Tstg	-15~+50	°C

Specifications 1) 2)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Spot diameter (main spot)	-	5M	-	-	10	mm
Wavelength	λP		640	650	660	nm
Laser beam deflection angle	-	In 50cm location	-3	0	3	degree
Beam Divergence	2 θ_r		-	-	1.5	mrad
Output power	P ₀	In 10cm laction	0.3	0.7	0.9	mW

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

ClassII<5mW

Absolute maximum ratings

Parameter	Symbol	Rating	Unit
Supply voltage		<3.3V	
Operating current	Iop	<35	mA
Operating temperature	Topr	-10~+40	°C
Storage temperature	Tstg	-15~+50	°C

Specifications 1) 2)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Spot diameter (main spot)	-	5M	-	-	10	mm
Wavelength	λP		640	650	660	nm
Laser beam deflection angle	-	In 50cm location	-3	0	3	degree
Beam Divergence	2 θ_r		-	-	1.5	mrad
Output power	P ₀	In 10cm laction	2.5	3	4.5	mW
Certificate	FDA&CE					

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

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Remark

- Inspection environment temperature: $20 \sim 30^{\circ}\text{C} \pm 2^{\circ}\text{C}$; Humidity: 40~60%
- MTTF: 3000 hours

Beam spot spec

- 5m Main light spot diameter $\leq 10\text{mm}$
- 5m light halo and tail included $< 25\text{mm}$

