



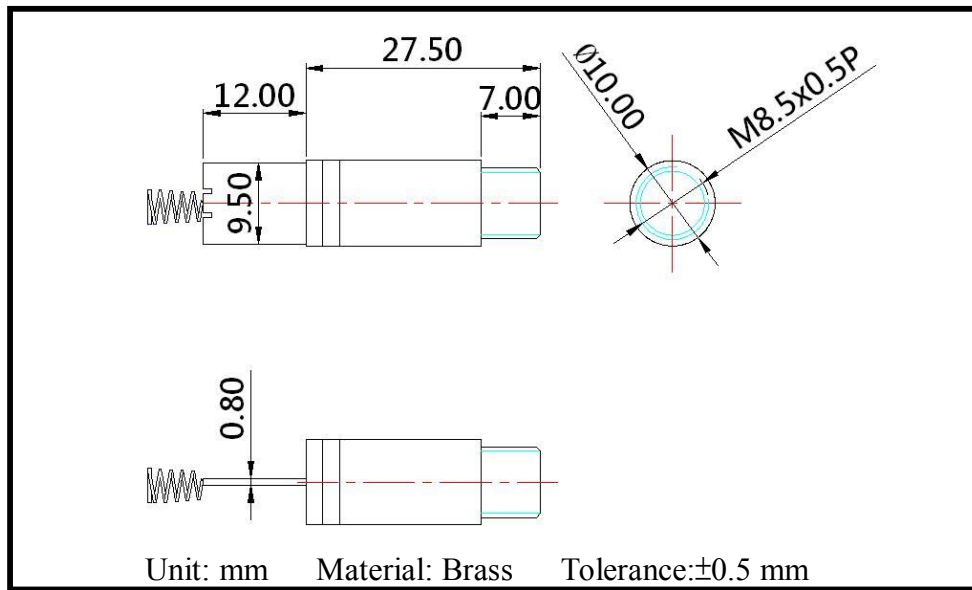
(JPM-5-3)

Kokyo

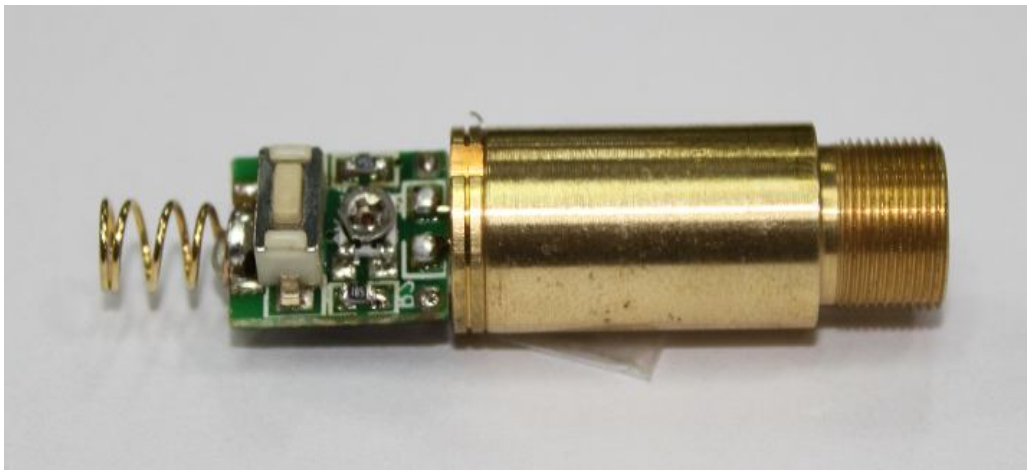
株式会社 光響

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GREEN LASER POINTER MODULE



Photo



Features:

- Structure: Diode Pumped Solid-State Green Lasers.
- Transverse Mode: TEM00
- Output Mode: CW
- Operating Lifetime: abt.3,000hrs
- Current Mode: Auto Power Control
- Output Power: < 5mW
- Module Size: 10mm(dia.) x 27.5mm(L) * (L) w/o PCB size

Lightvision Technologies, Corp.

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

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Applications

- Laser Pointer
- Presenter

Absolute maximum ratings

| Parameter | Symbol | Rating | Unit |
|-----------------------|------------------|---------|------|
| Supply voltage | V _{cc} | +3.5 | V |
| Input signal voltage | V _{IN} | - | V |
| Operating temperature | T _{opr} | 15 ~35 | °C |
| Storage temperature | T _{stg} | -5~ +55 | °C |

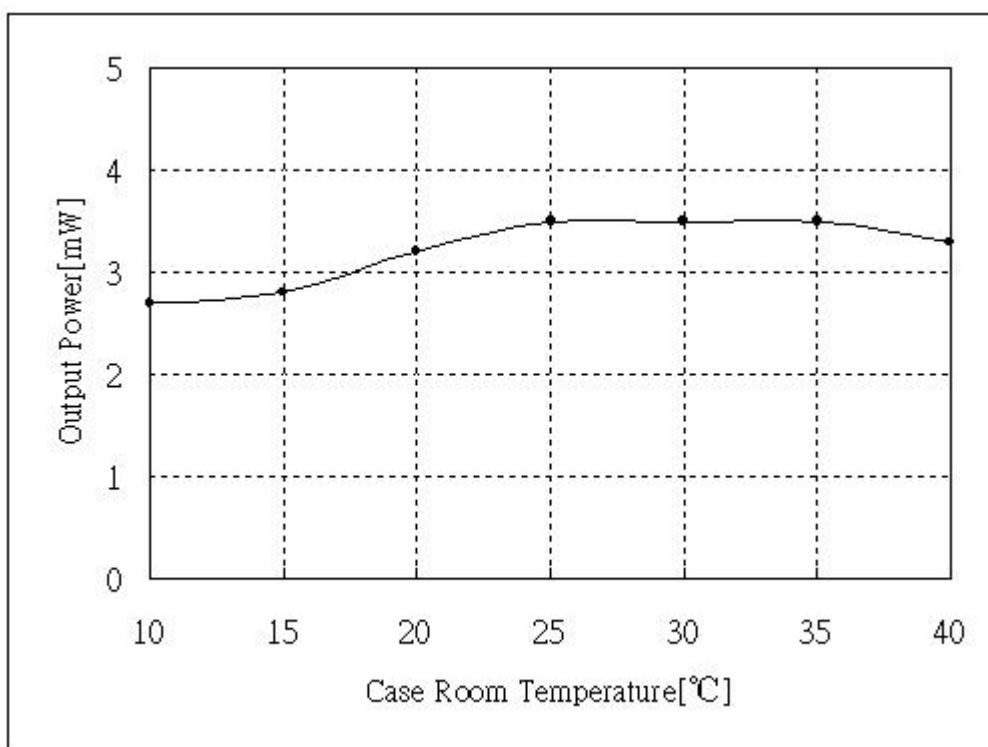
Specifications

| Parameter | Symbol | Condition | Min | Typ | Max | Unit |
|-------------------|----------------|------------------------------|-----|------|-----|------|
| Wavelength | λ_P | | - | 532 | - | nm |
| Output power | P ₀ | | 2.8 | 3.5 | 3.5 | mW |
| Power stability * | ΔP_0 | T _{opr} =15 ~ +35°C | -15 | | +15 | % |
| Beam divergence | 2 θ_r | | - | 1.55 | - | mrad |

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

* Same room temperature testing 30mins

Output Power vs. Case Room Temperature



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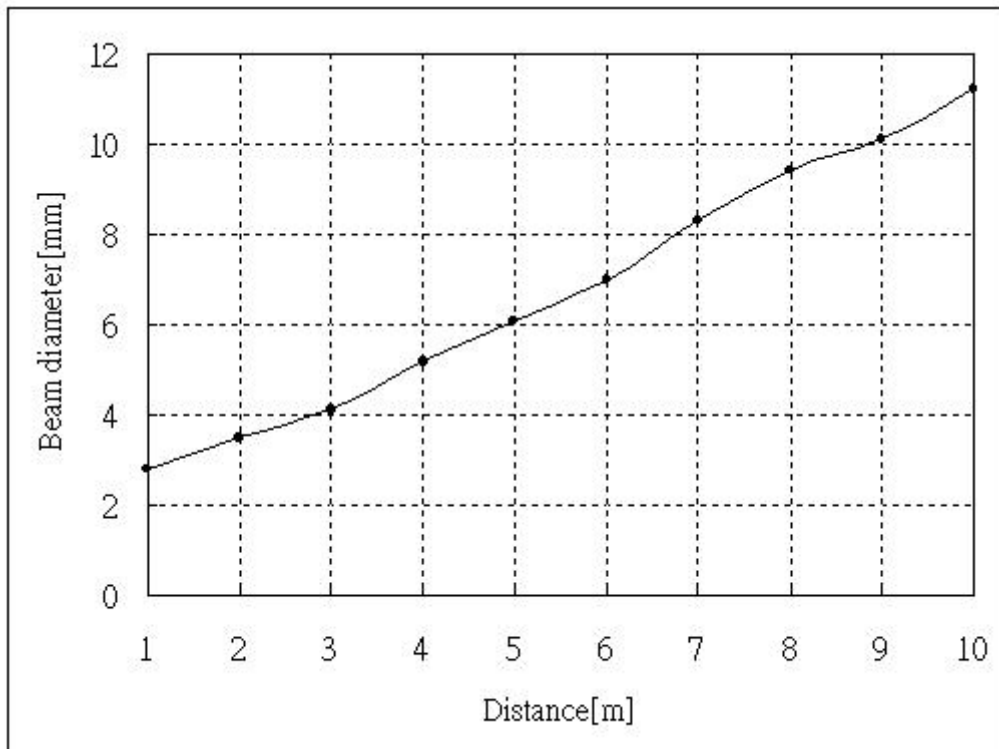
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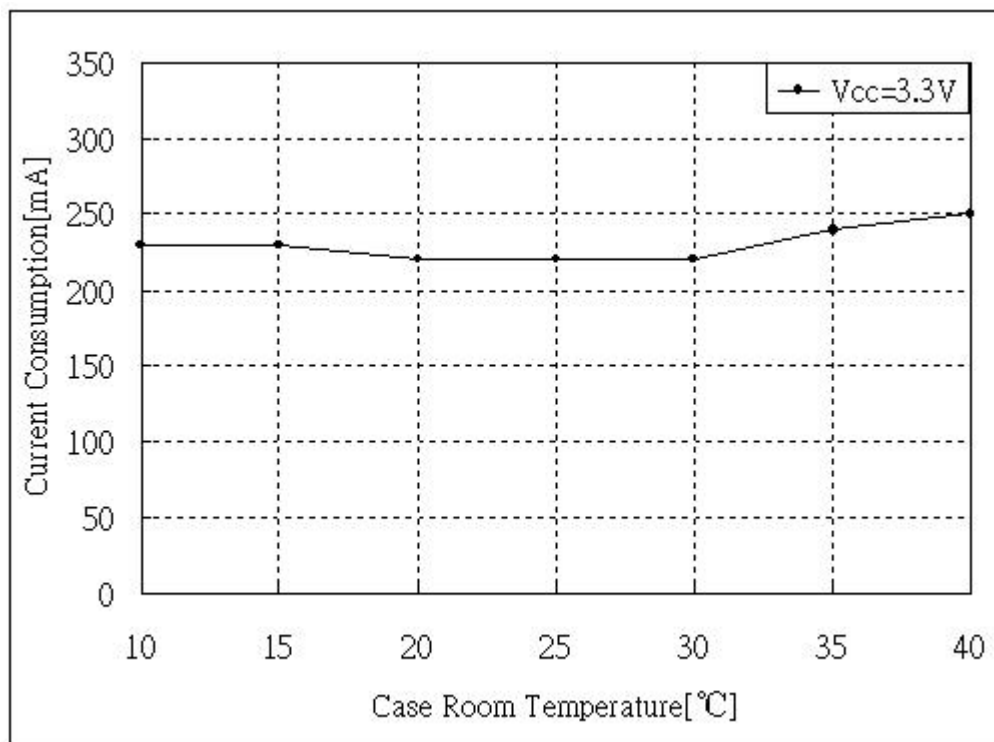
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Beam Diameter vs. Distance



Current Consumption vs. Case Room Temperature

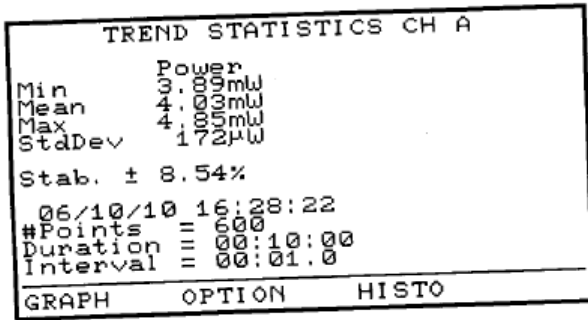


10mins Stability Test in Different Room Temperature

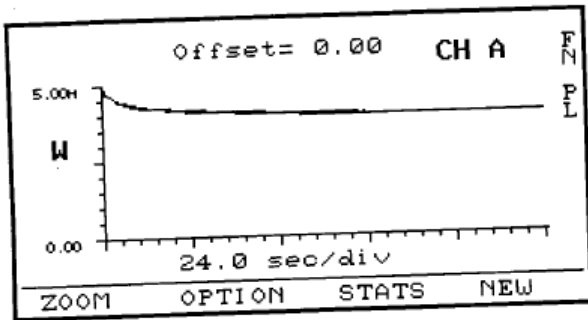
Inspection Instrument : Coherent Meter

Model Name: LM Ultima

15°C

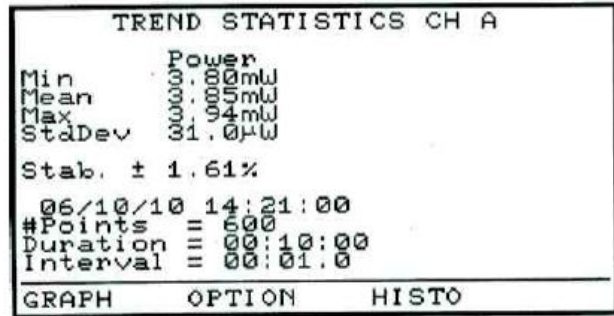


LM Ultima v. 2.35 06/10/10 16:38:55

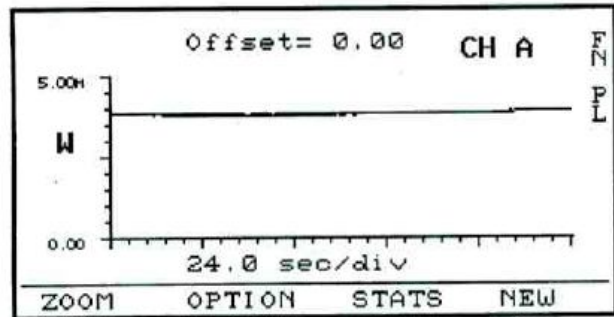


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25°C

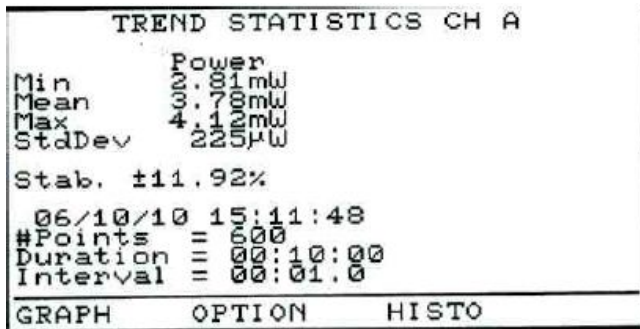


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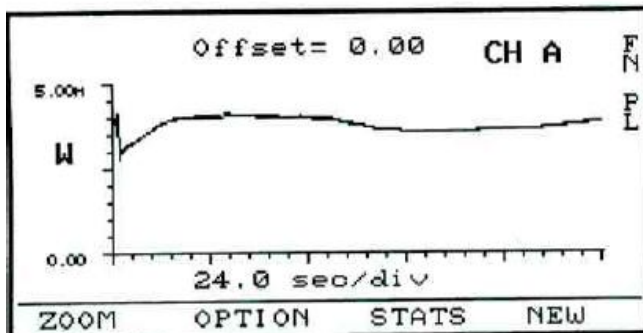


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35°C



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LM Ultima v. 2.35 06/10/10 15:21:59

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