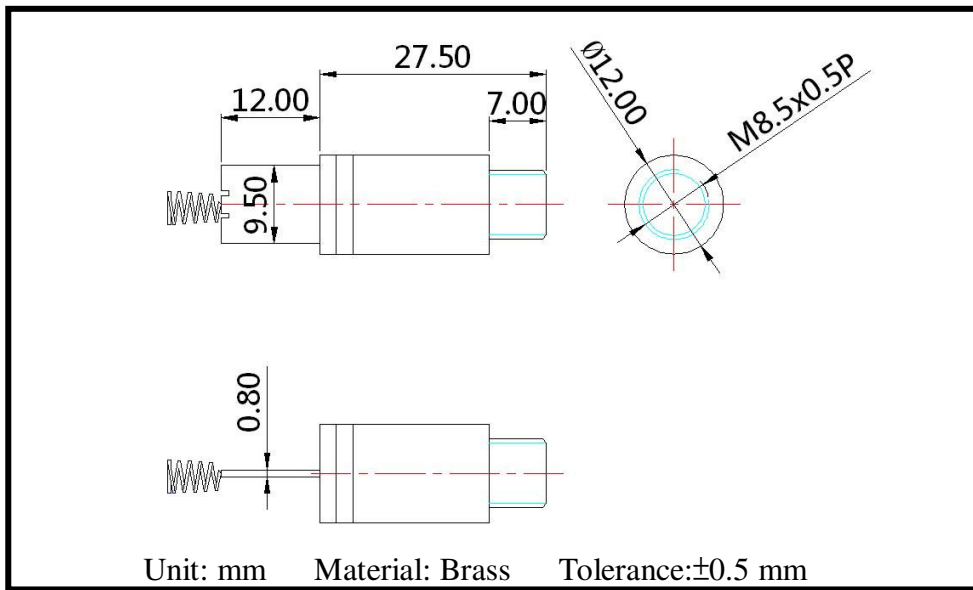


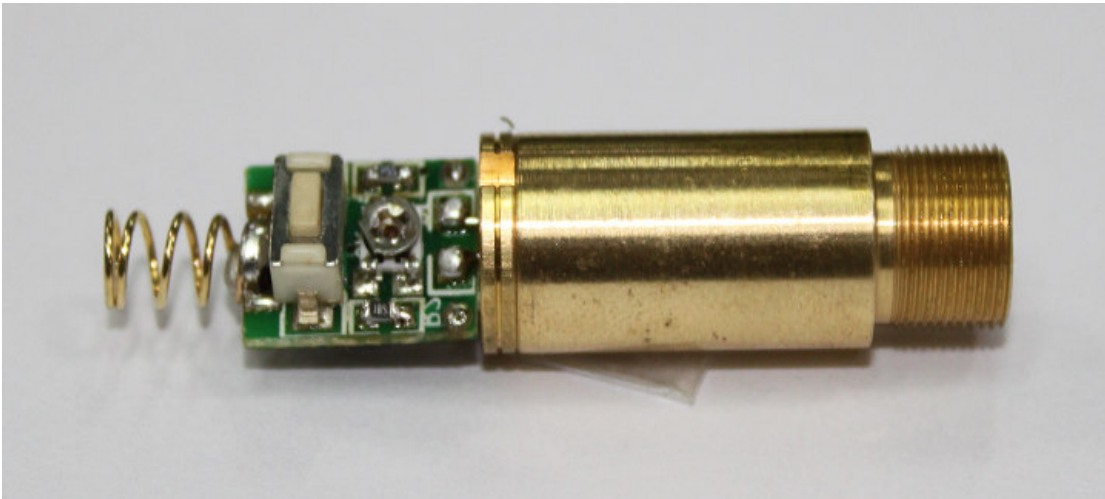


(JPM-1-3)

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: < 1mW
- Module Size: 12mm(dia.) x 27.5mm(L) * (L) w/o PCB size

Lightvision Technologies, Corp.

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Fax: 886-3-355-5934

Website: www.lightvision.com.tw

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

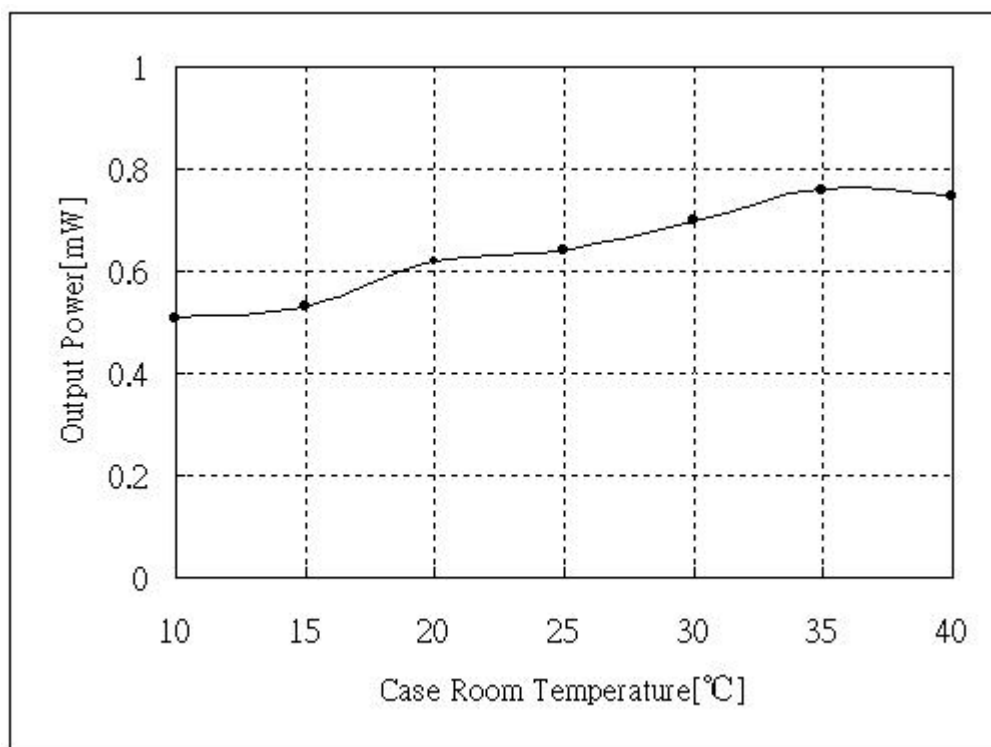
Specifications

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Wavelength	λ_P		-	532	-	nm
Output power	P ₀		0.3	0.65	0.85	mW
Power stability *	ΔP_0	T _{opr} =15 ~ +35°C	-10		+10	%
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 Stability vs. Case Room Temperature



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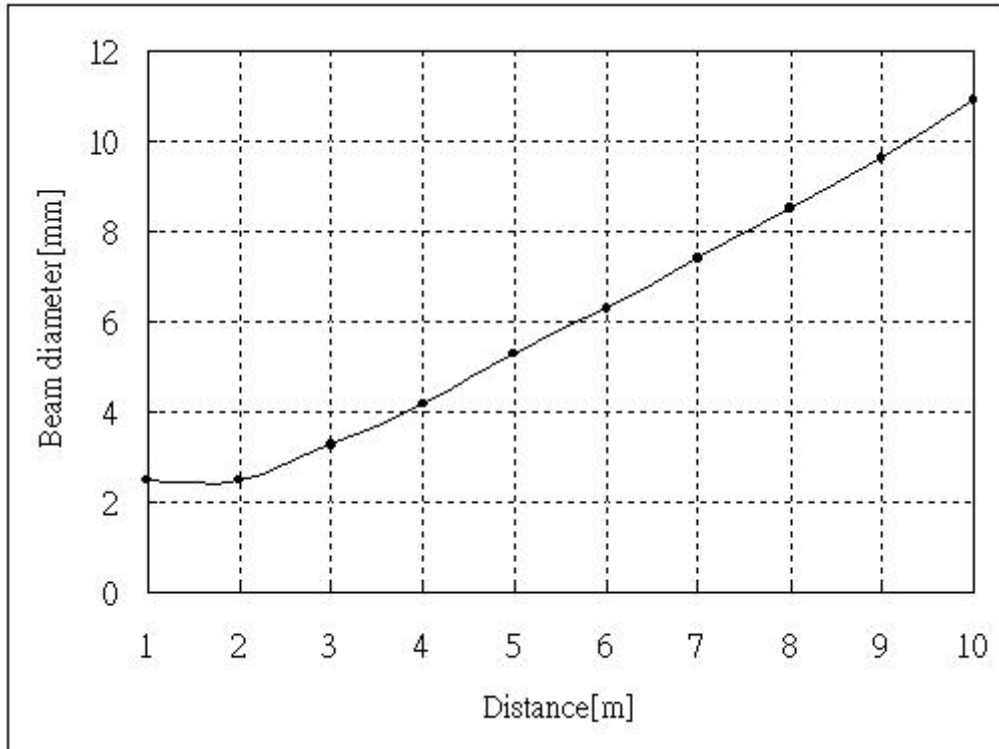
Tel: 886-3-355-5931

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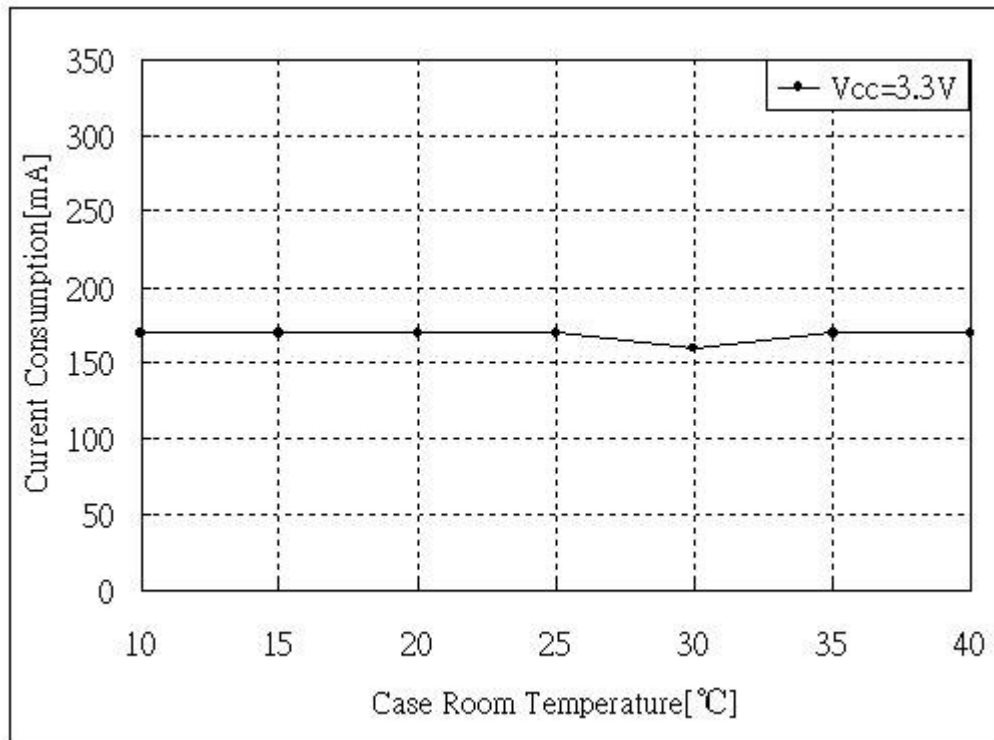
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Beam Diameter vs. Distance



Current Consumption vs. Case Room Temperature



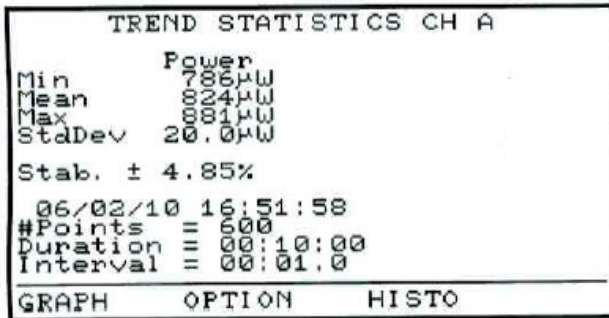
10mins Stability Test in Different Room Temperature

Inspection Instrument : Coherent Meter

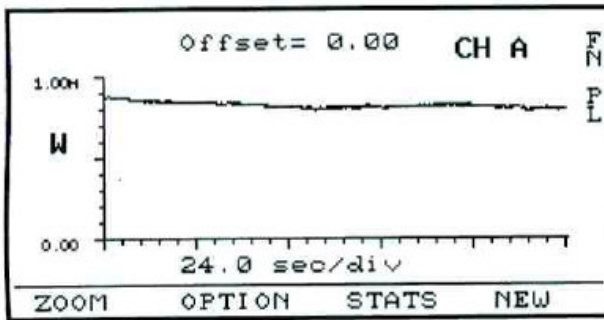
Model Name : LM Ultima

15°C

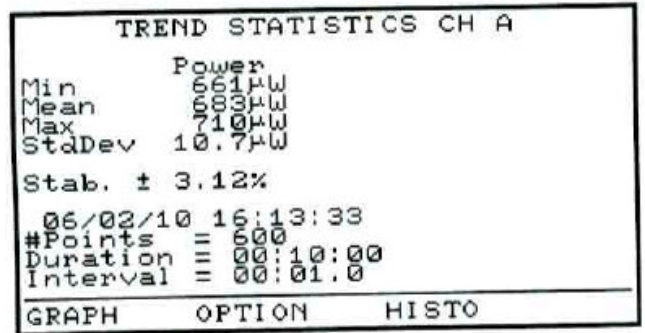
25°C



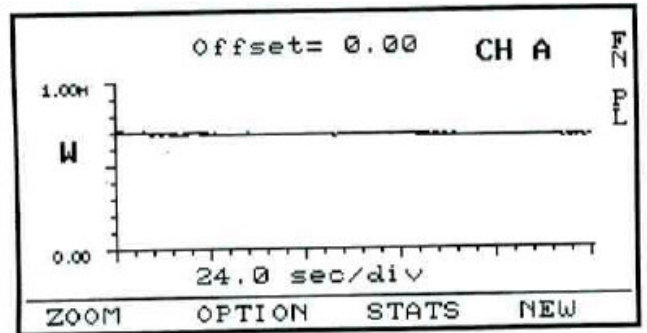
LM Ultima v. 2.35 06/02/10 17:06:34



LM Ultima v. 2.35 06/02/10 17:06:38

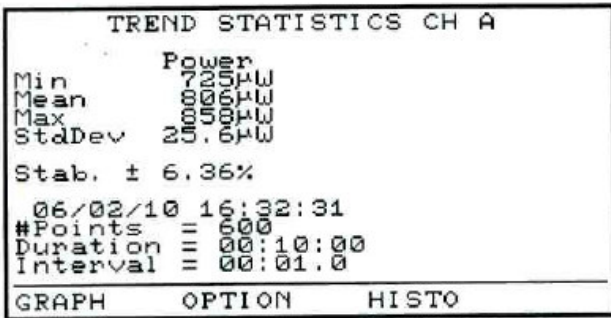


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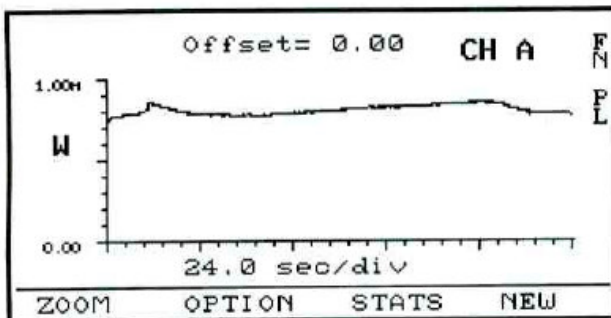


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35°C



LM Ultima v. 2.35 06/02/10 16:42:49



LM Ultima v. 2.35 06/02/10 16:42:53

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