

Green Line Laser

VLM-532-46 Series



FEATURES:

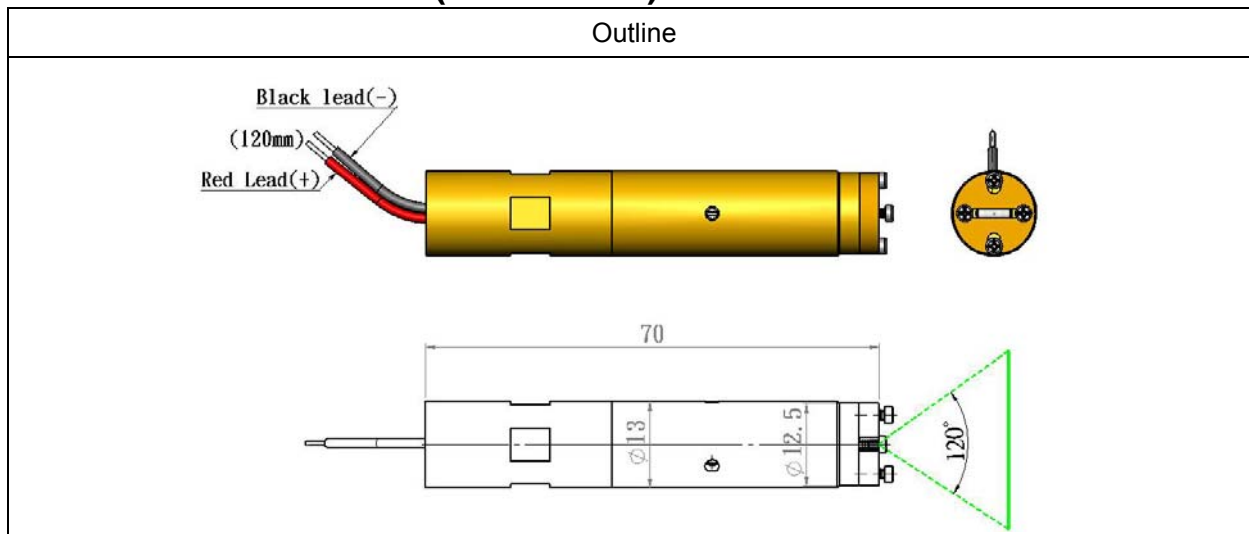
- Green Line Laser.
- The best line-accuracy and the widest emitting angle Green line Laser module for use with high-precision devices.
- This module has integrated quartz cylindrical lens, collimating lens, laser diode, and APC driver circuit.
- APC driver circuit enables the Laser output power safe and constant.
- Includes patented solid brass structure for the best shock resistance and better heat transfer consideration.
- Multiple glass lenses Lens and Quartz Cylindrical Lens provides Line Laser.
- Dimensions: $\Phi 13 \times 70$ mm ($\Phi 0.512" \times 2.756"$)
- Wavelength : 532 nm
- Output power (Center / Total) : Class II – less than 1mW / 2.5mW
- Laser line accuracy: 20"
- Emitting angle: $> 120^\circ$
- 2.7~3.3 VDC operation.
- Connection type: Lead wire.

APPLICATIONS:

- Professional Green Straight Line Laser, ultra-precision grade for professional leveling, alignment, adjusting, positioning, measuring and targeting device.
- Wood processing.
- Metal processing.
- Stone processing.
- Textile industry.
- Food industry.
- Automotive industry.
- Medical science

VLM-532-46 Series

OUTLINE DIMENSIONS (UNITS: mm)



SPECIFICATIONS

SPECIFICATIONS		532-46
1	Dimensions	Φ13 x 70 mm (Φ0.512" x 2.756")
2	Operating voltage (Vop)	2.7~3.3 VDC
3	Operating current (Iop)	≤ 300mA
4	Continuous wave output power (Center/Total)	<1mW / 2.5mW
5	Wavelength at peak emission (λp)	532nm
6	Cylindrical lens	Quartz cylindrical lens (ø2)
7	Collimating lens	Glass lens(ø6)
8	Laser line Width	2.5 ±0.5mm@5m , 5 ±0.5mm@10m
9	Laser line accuracy	20" (+/- 1mm @10m)
10	Emitting angle	> 120°
11	Operating temp. range	+15°C ~ +35°C
12	Storage temp. range	-40°C ~ +70°C
13	Housing	Brass
14	Mean time to failure (MTTF) 25°C	3000hrs

Note : Laser module housing is an electrical positive surface, it is imperative that contact between the laser module and the machine be avoided. This is to prevent damage from the machine electrical leakage. Surge protected power supply to the laser module is strongly recommended.

VLM-532-46 Series

ORDER CODE

Order Code	Wavelength	Total Output Power	Connection Type
VLM-532-46 LPT	532 nm	2.5mW	Lead Wire

SAFETY LABEL

AVOID EXPOSURE,  Laser radiation is emitted from this Aperture

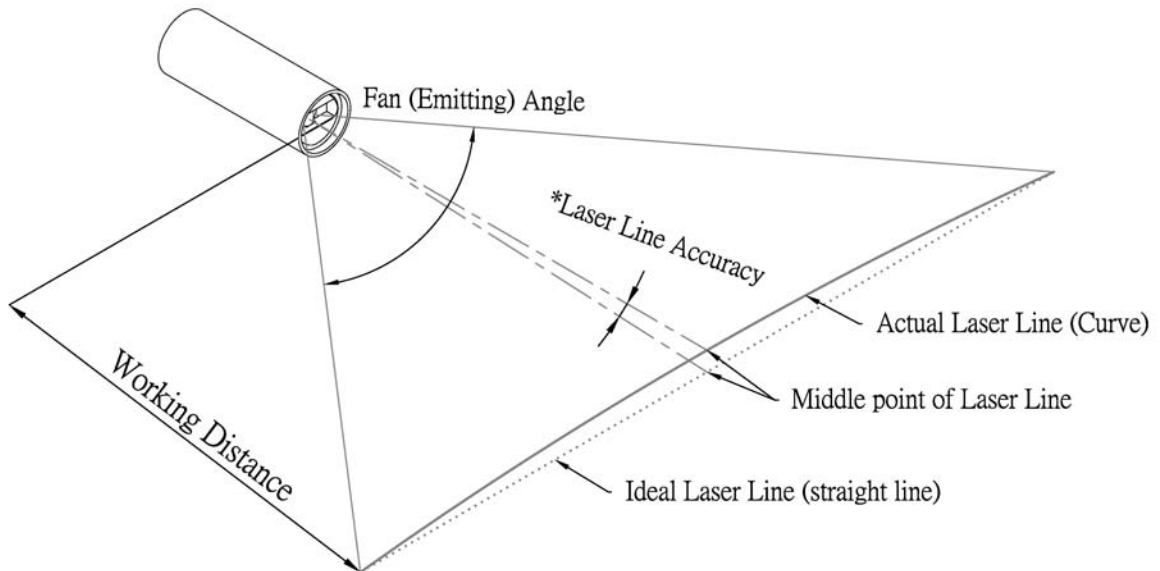
DANGER

 **LASER RADIATION- AVOID DIRECT EYE EXPOSURE.**

Wavelength: 532 nm
Max. Output: <5mW
Class IIIa Laser Product

Annex A.

Laser Line Accuracy



*Laser Line Accuracy

The error angle between Ideal and Actual Laser Line at middle point.

For VLM-635/650-27 Series, Laser line accuracy < 40" (Arc Second) = $\frac{40}{3600}$ ° (Degree)

For VLM-635/650-37 Series, Laser line accuracy < 20" (Arc Second) = $\frac{20}{3600}$ ° (Degree)

For VLM-532-46 Series, Laser line accuracy < 20" (Arc Second) = $\frac{20}{3600}$ ° (Degree)