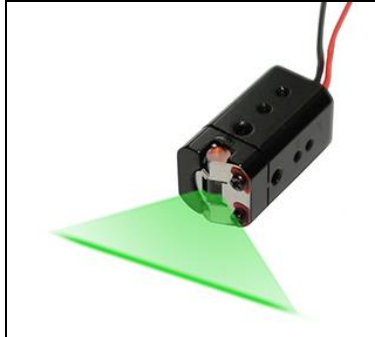


## Straight Green Line Laser

### VLM-520-37 Series



#### FEATURES:

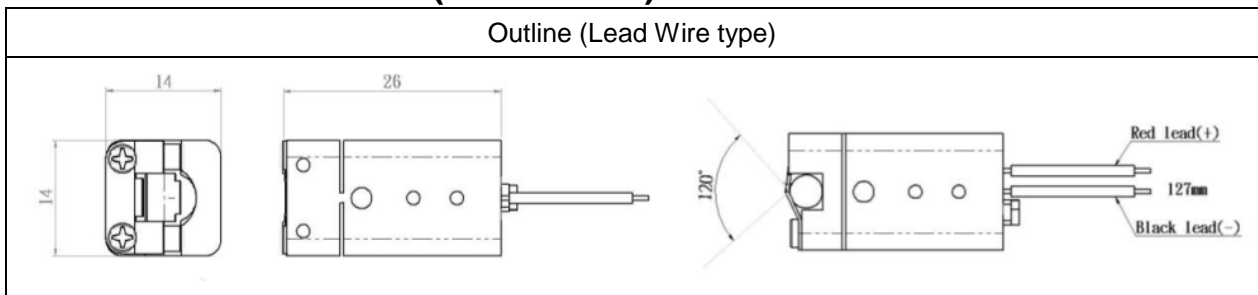
- ∞ Direct Green Laser Diode for large temperature operation range.
- ∞ The supreme line-accuracy and the widest emitting angle line Laser module for use with Professional applications.
- ∞ Laser beam is focused at 10 meters to generate best thin laser line from 5 meters to 20 meters.
- ∞ Versatile mechanical structure on 4 sides, easy to fixed.
- ∞ 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.
- ∞ Aluminum housing with Anodized finish for the best heat transfer consideration.
- ∞ Dimensions : 14(W) x 14(H) x 26(L) mm (0.551" x 0.551" x 1.023")
- ∞ Wavelength : 505~530 nm
- ∞ Optical power : LPT - less than 2mW, Laser class, Class I  
LPA - less than 20mW, Laser class, Class II
- ∞ Emitting Angle : >120°
- ∞ 7~10 VDC operation.
- ∞ Connection type : Lead wire

#### APPLICATIONS:

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

## VLM-520-37 Series

### OUTLINE DIMENSIONS (UNITS: mm)



### SPECIFICATIONS

SPECIFICATIONS		VLM-520-37	
		LPT	LPA
1	Dimensions	14(W) x 14(H) x 26(L) mm (0.551" x 0.551" x 1.023")	
2	Weight	11g	
3	Operating voltage (Vop)	7~10 VDC	
4	Operating current (Iop)	< 80mA	< 120mA
5	Optical power	< 2mW	< 20mW
6	Laser class	Class I	Class II
7	Wavelength at peak emission ( $\lambda_p$ )	505~530nm	
8	Collimating lens	Glass lens	
9	Cylindrical lens	Quartz cylindrical lens	
10	Beam shape	Line	
11	Laser line width	2±1mm@5m, 4±1mm@10m	
12	Laser line accuracy	20" (+/- 1mm @10M)	
13	Emitting angle	> 120°	
14	Operating temp. range	-20°C ~+65°C	
15	Storage temp. range	-40°C ~+70°C	
16	Housing material	Aluminum	
17	Housing color	Black	
18	Potential of housing	Insulated	
19	Wire type	1007-26AWG	
20	Cable length	127mm	
21	Mean time to failure (MTTF) 25°C	10000hrs	

**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-520-37 Series

### ORDER CODE

Order Code	Wavelength	Laser class	Connection Type
VLM-520-37 LPT	520 nm	Class I	Lead Wire
VLM-520-37 LPA	520 nm	Class II	Lead Wire

### SAFETY LABEL

**CLASS I LASER PRODUCT**  
This product complies with 21CFR  
Chapter 1. subchapter J.

