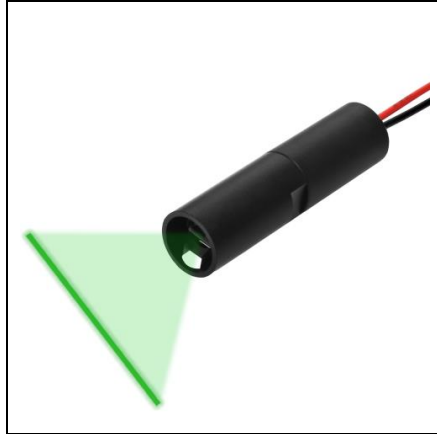


Straight Green Line Laser

VLM-520-55 Series



FEATURES:

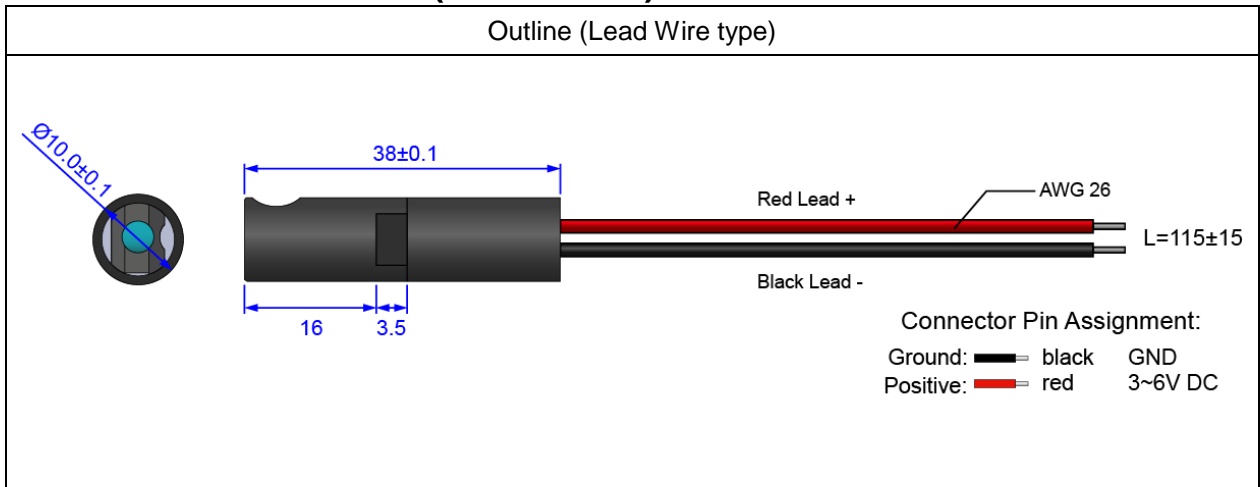
- Direct Green Laser Diode for large temperature operation range.
- High quality straight green line laser, ideal for industrial application.
- Laser beam is focused at 10 meters to generate best thin laser line from 5 meters to 20 meters.
- Industrial use laser modules have 10,000 hours working life.
- This module has integrated optic, direct green laser diode, and APC driver circuit.
- APC driver circuit enables the Laser output power safe and constant.
- Dimensions : Ø10 x 38 mm (Ø0.393" x 1.496")
- Wavelength : 510~530 nm
- Laser power output : Class I Laser product.
- Fan Angle : >90°
- 3~6 VDC operation.
- Connection type : Lead wire

APPLICATIONS:

- Straight Green Line from Direct Green Laser Diode.
- Wood processing.
- Metal processing.
- Stone processing.
- Textile industry.
- Food industry.
- Automotive industry.
- Medical science.

VLM-520-55 Series

OUTLINE DIMENSIONS (UNITS: mm)



SPECIFICATIONS

SPECIFICATIONS		VLM-520-55	
		LPO	LPT
1	Dimensions	$\varnothing 10 \times 38$ mm ($\varnothing 0.393" \times 1.496"$)	
2	Weight	5.2g	
3	Operating voltage (Vop)	3~6 VDC	
4	Operating current (Iop)	Less than 200mA	
5	Optical power*	4~5mW	9~10mW
6	Laser class	Class I	
7	Wavelength at peak emission (λ_p)	510~530nm	
8	Collimating lens	Glass lens	
9	Line lens	Glass lens	
10	Beam shape	Line	
11	Laser line width	3 ± 0.5 mm@5M, 6 ± 0.5 mm@10M	
12	Laser line accuracy	40"(± 1 mm@5M)	
13	Fan Angle	More than 90°	
14	Operating temp. range**	-20°C ~+65°C	
15	Storage temp. range	-20°C ~+85°C	
16	Housing material	Aluminum	
17	Potential of housing	Insulated	
18	Electrostatic discharge (ESD)	30KV	

VLM-520-55 Series

19	Moisture sensitivity level (MSL)	Level 1 - acc to JEDEC J-STD-020E.
20	Wire type	1007-26AWG
21	Cable length	115±15mm
22	Mean time to failure (MTTF) 25°C	10000hrs
23	Application	Precision industrial alignment
24	Suggestion work distance	1~20 meters / 3~60 feet

* Optical power is total power output measured at the aperture of the laser.

** Operation temperature means within this temperature range, the laser spot/line will not be affected to change the spot size/line width. It can still work over this range, but the laser spot size or laser line width will be larger.

ORDER CODE

Order Code	Wavelength	Optical power*	Laser Class	Connection Type
VLM-520-55 LPO	520 nm	4~5mW	Class I	Lead Wire
VLM-520-55 LPT	520 nm	9~10mW	Class I	Lead Wire

* Optical power is total power output measured at the aperture of the laser.

SAFETY LABEL

CLASS I LASER PRODUCT