

Green Cross-Line Laser

VLM-520-29 Series



FEATURES:

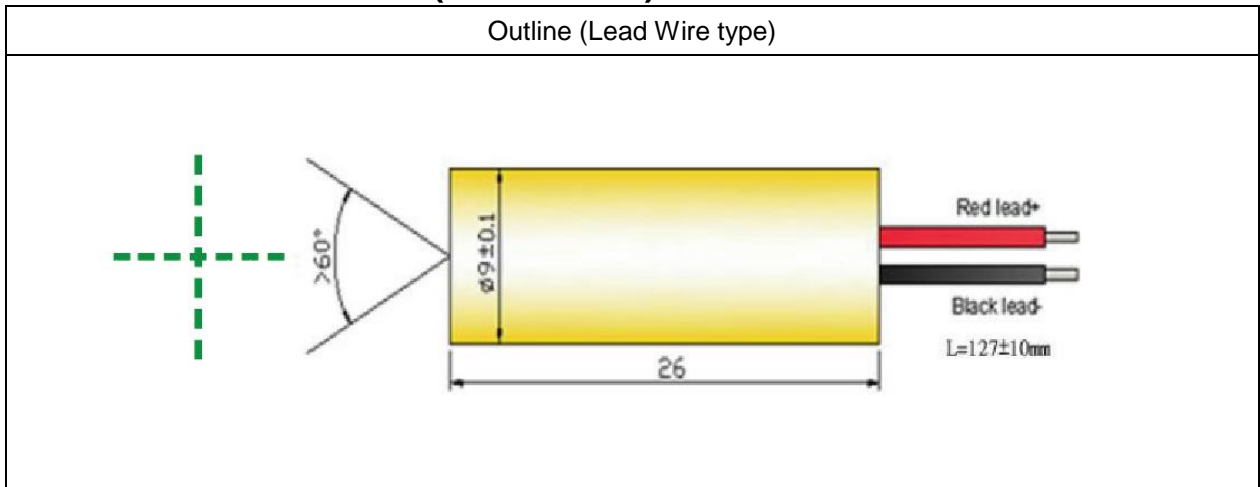
- ∞ Direct Green Laser Diode for large temperature operation range.
- ∞ Line-width optimize at short distance(40cm) for consumer grade Laser Cross-Line generator applications.
- ∞ This module has integrated wavy lens, collimating lens, laser diode, and APC driver circuit.
- ∞ APC driver circuit enables the Laser output power safe and constant.
- ∞ Includes patented solid brass structure for the best shock resistance and better heat transfer consideration.
- ∞ Aspherical Plastic Lens and Plastic Wavy Lens provides tight Cross-Line Laser.
- ∞ Dimensions : Ø9 x 26 mm (Ø0.354" x 1.024")
- ∞ Wavelength : 505~530 nm
- ∞ Optical power : VLM-520-29 LPT - less than 2mW, Laser class, Class I
VLM-520-29 LPA - less than 20mW, Laser class, Class II
- ∞ Emitting Angle : >60°
- ∞ 7~10 VDC operation.
- ∞ Connection type : Lead wire

APPLICATIONS:

- ∞ Green Cross-Line Laser Module, Line-width optimize at short distance(40cm) for consumer grade barcode reader, leveling, alignment, adjusting, positioning, measuring, targeting and sighting device.
- ∞ Wood processing.
- ∞ Metal processing.
- ∞ Stone processing.
- ∞ Textile industry.
- ∞ Food industry.
- ∞ Automotive industry.
- ∞ Medical science.

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OUTLINE DIMENSIONS (UNITS: mm)



SPECIFICATIONS

SPECIFICATIONS		VLM-520-29	
		LPT	LPA
1	Dimensions	Ø9 x 26 mm (Ø0.354" x 1.024")	
2	Operating voltage (Vop)	7~10 VDC	
3	Operating current (Iop)	< 80mA	< 100mA
4	Optical power	< 2mW	< 20mW
5	Laser class	Class I	Class II
6	Wavelength at peak emission (λp)	505~530nm	
7	Wavy lens	Plastic Lens	
8	Collimating lens	Aspherical Plastic lens	
9	Laser Line width	1mm@40cm	
10	Laser line accuracy	80" (+/- 2mm @5M)	
11	Emitting angle	>60°	
12	Operating temp. range	-20°C ~+65°C	
13	Storage temp. range	-20°C ~+65°C	
14	Housing material	Brass	
15	Wire type	1007-26AWG	
16	Cable length	127mm	
17	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.

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ORDER CODE

Order Code	Wavelength	Laser Class	Connection Type
VLM-520-29 LPA	520 nm	Class II	Lead Wire
VLM-520-29 LPT	520 nm	Class I	Lead Wire

SAFETY LABEL

CLASS I LASER PRODUCT

This product complies with 21CFR
Chapter 1. subchapter J.

