

Industrial Green Dot Laser

VLM-520-02-Series



FEATURES:

- Direct Green Laser Diode module to provide large temperature operation range for industry application.
- PCB is outside of housing for power adjustment.
- Adjustment focus (Focus range 100mm~Infinity) Laser module with APC Driver Circuit inside, ideal for industrial Laser application.
- This module has integrated optic, 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 provides tight Dot Laser.

Dimensions : Ø10.5 x 26 mm (Ø0.413" x 1.023")

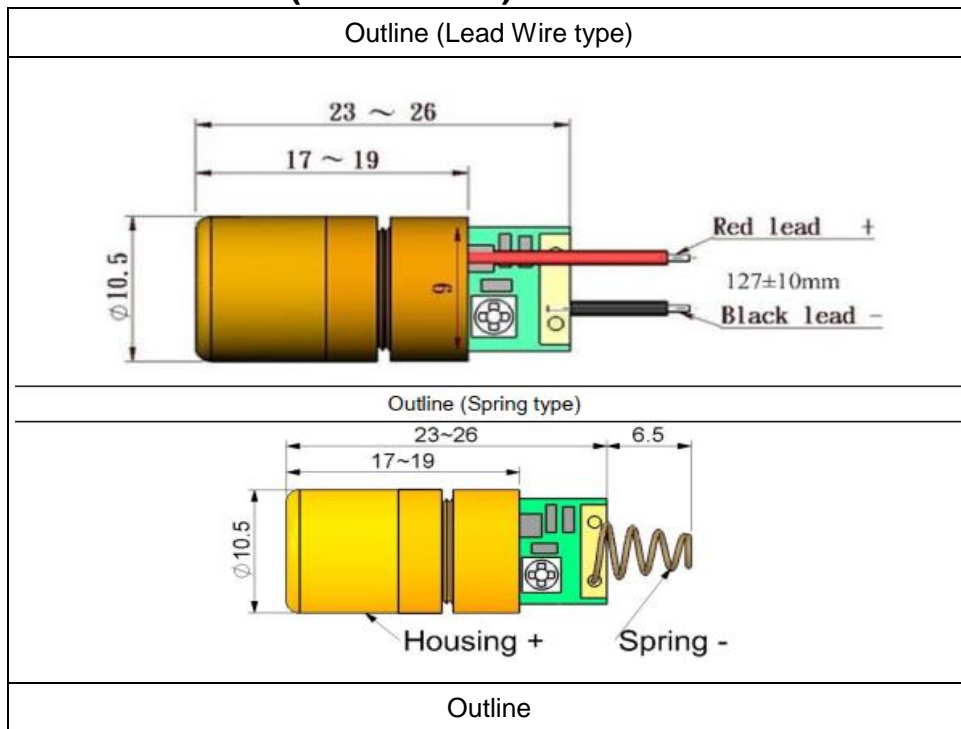
- Wavelength : 505~530 nm
- Output power : LPA - Class IIIa – less than 4mW.
LPT - Class II – less than 1mW.
- Beam Divergence (Half Angle) : 0.5 mRad
- 7~10 VDC operation.
- Connection type : Lead wire / Spring

APPLICATIONS:

- Industrial Green Dot Laser Module - Adjustable focus function. Ideal for Industrial positioning, measuring, pointing which would need a focusable beam at specific distances.
- Wood processing.
- Metal processing.
- Stone processing.
- Textile industry.
- Food industry.
- Automotive industry.
- Medical science

VLM-520-02-Series

OUTLINE DIMENSIONS (UNITS: mm)



SPECIFICATIONS

SPECIFICATIONS		VLM-520-02-	
		LPT	LPA
1	Dimensions	$\phi 10.5 \times 26$ mm ($\phi 0.413" \times 1.023"$)	
2	Operating voltage (Vop)	7~10 VDC	
3	Operating current (Iop)	< 80mA	< 100mA
4	Continuous wave output power (Po)	< 1mW	< 4mW
5	Wavelength at peak emission (λ_p)	505~530nm	
6	Collimating lens	Aspherical plastic lens($\phi 7$)	
7	Focus range	100mm ~ Infinity	
8	Divergence (Half Angle)	0.5 mRad	
9	Operating temp. range	-20°C ~+65°C	
10	Storage temp. range	-20°C ~+65°C	
11	Housing material	Brass	
12	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-520-02-Series

ORDER CODE

Order Code	Wavelength	Output Power	Connection Type
VLM-520-02 LPA	520 nm	<4mW	Lead Wire
VLM-520-02 LPT	520 nm	<1mW	Lead Wire
VLM-520-02 LPA	520 nm	<4mW	Spring
VLM-520-02 LPT	520 nm	<1mW	Spring

SAFETY LABEL

