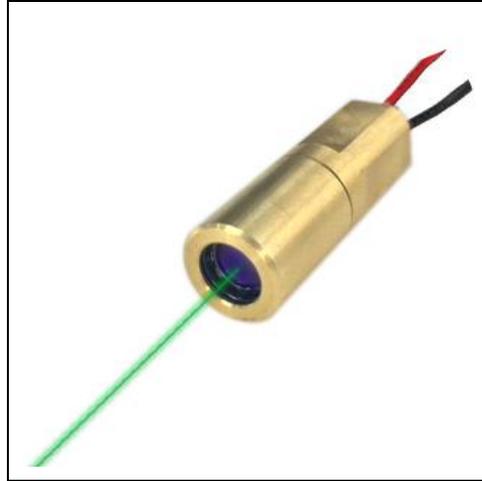


Industrial Green Dot Laser

VLM-520-53-Series



FEATURES:

- Direct Green Laser Diode module to provide large temperature operation range.
- High quality round green Laser spot with low beam divergence angle, ideal for industrial application.
- 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 : Ø10.5 x 31mm (Ø0.414" x 1.22")

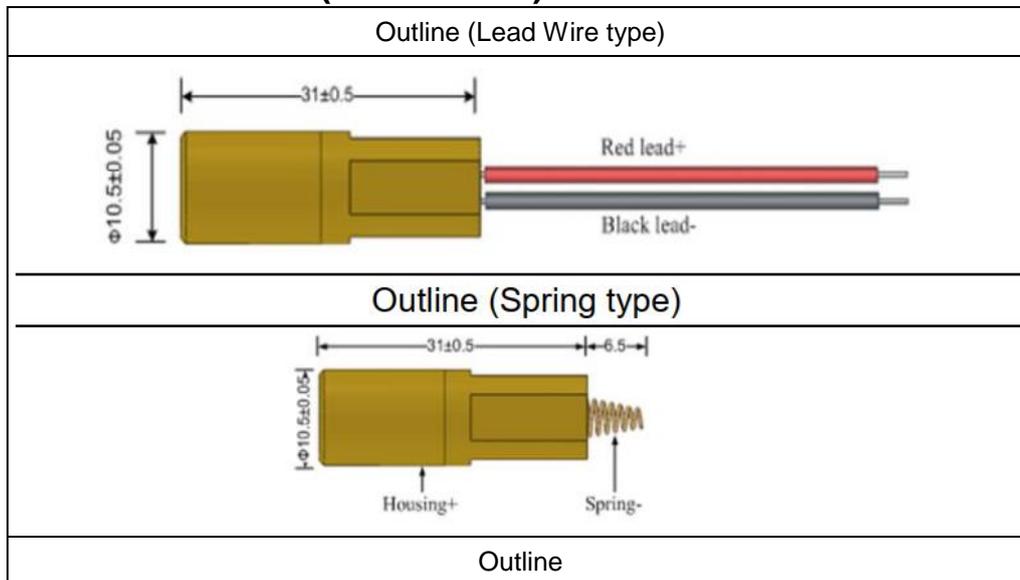
- Wavelength : 510~530 nm
- Output power : LPA - Class IIIa – less than 4mW.
LPT - Class II – less than 1mW.
- Beam Divergence (Half Angle) : 0.4 mRad
- 3~6 VDC operation.
- Connection type : Lead wire / Spring

APPLICATIONS:

- Industrial Green Dot Laser Module - for positioning, measuring, pointing and laser sighting device.
- Wood processing.
- Metal processing.
- Stone processing.
- Textile industry.
- Food industry.
- Automotive industry.
- Medical science

VLM-520-53-Series

OUTLINE DIMENSIONS (UNITS: mm)



SPECIFICATIONS

SPECIFICATIONS		VLM-520-53-	
		LPT	LPA
1	Dimensions	Ø10.5 x 31 mm (Ø0.414" x 1.22")	
2	Weight	9g	
3	Operating voltage (Vop)	3~6 VDC	
4	Operating current (Iop)	< 100mA	
5	Continuous wave output power (Po)	< 1mW	< 4mW
6	Wavelength at peak emission (λp)	510~530nm	
7	Collimating lens	Aspherical Glass lens(Ø6.35)	
8	Output aperture	5mm	
9	Beam shape	Dot	
10	Spot size at 10M	5±1 mm	
11	Divergence (Half Angle)	0.4 mRad	
12	Operating temp. range	-20°C ~+65°C	
13	Storage temp. range	-20°C ~+85°C	
14	Housing material	Bronze	
15	Housing color	Brass	
16	Potential of housing	VDD(+)	
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.

VLM-520-53-Series

ORDER CODE

Order Code	Wavelength	Output Power	Connection Type
VLM-520-53 LPA	520 nm	<4mW	Lead Wire
VLM-520-53 LPT	520 nm	<1mW	Lead Wire
VLM-520-53 SPA	520 nm	<4mW	Spring
VLM-520-53 SPT	520 nm	<1mW	Spring

SAFETY LABEL

