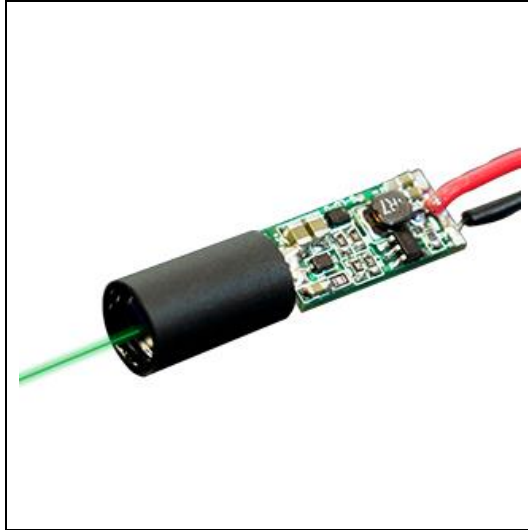


Direct Green Dot Laser

VLM-520-51-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 : Ø8 x 30mm (Ø0.314" x 1.18")

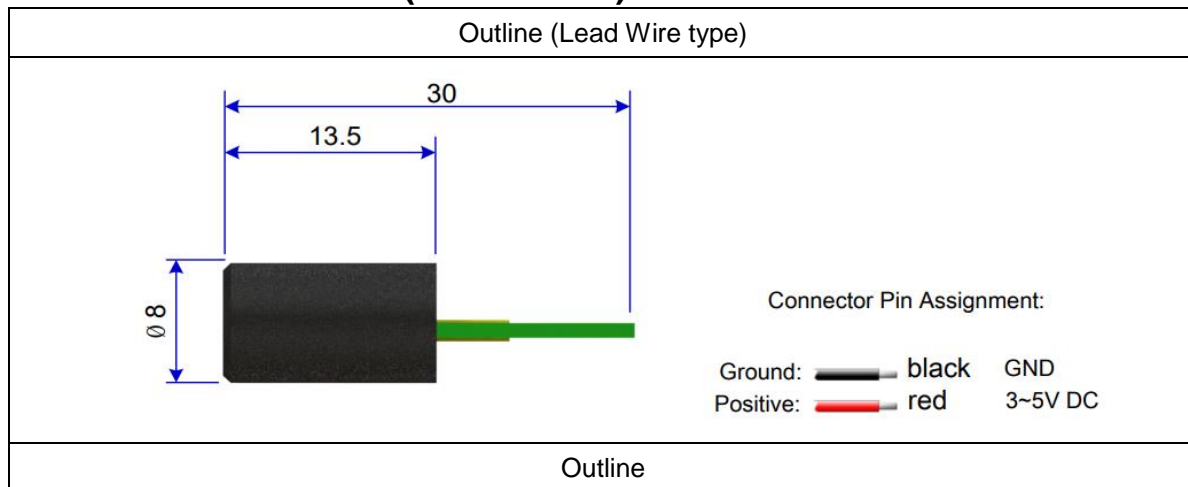
- Wavelength : 510~530 nm
- Output power : LPA - Class IIIa – less than 4mW.
LPT - Class II – less than 1mW.
- Beam Divergence (Half Angle) : <0.4 mRad
- 3~6 VDC operation.
- Connection type : Lead wire

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-520-51-Series

OUTLINE DIMENSIONS (UNITS: mm)



SPECIFICATIONS

SPECIFICATIONS		VLM-520-51-	
		LPT	LPA
1	Dimensions	Ø8 x 30 mm (Ø0.314" x 1.18")	
2	Weight	2.5g	
3	Operating voltage (Vop)	3~6 VDC	
4	Operating current (Iop)	< 100mA	< 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	Aluminum	
15	Housing color	Black	
16	Potential of housing	Insulated	
17	Wire type	1007-26AWG	
18	Cable length	127mm	
19	Mean time to failure (MTTF) 25°C	10000hrs	

Note : Surge protected power supply to the laser module is strongly recommended.

VLM-520-51-Series

ORDER CODE

Order Code	Wavelength	Output Power	Connection Type
VLM-520-51 LPA	520 nm	<4mW	Lead Wire
VLM-520-51 LPT	520 nm	<1mW	Lead Wire

SAFETY LABEL

