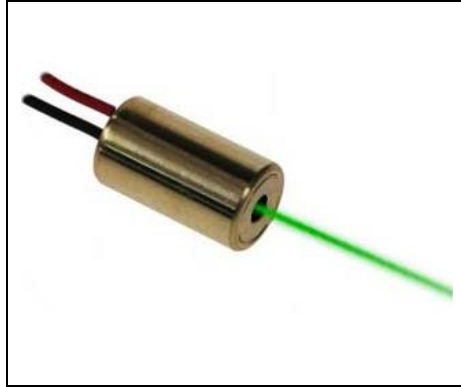


Industrial Green Dot Laser

VLM-520-01-Series



FEATURES:

- Direct Green Laser Diode module to provide large temperature operation range for industry application.
- Basic module, compact size with APC Driver Circuit Inside, ideal for industrial green 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 : Ø10.4 x 18.4mm (Ø0.409" x 0.724")

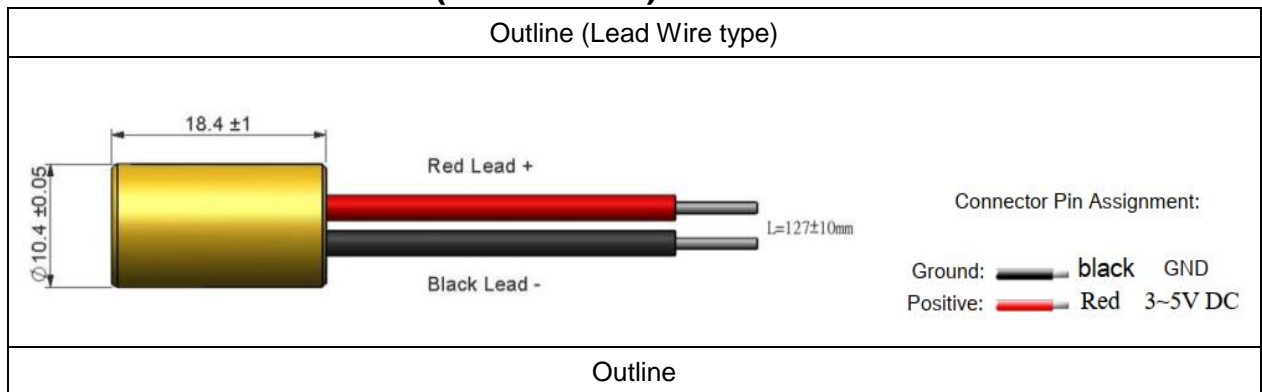
- Wavelength : 505~530 nm
- Output power : LPA - Class IIIa – less than 4mW.
LPT - Class II – less than 1mW.
- Beam Divergence (Half Angle) : 0.5 mRad
- 7~10 VDC operation.
- Connection type : Lead wire

APPLICATIONS:

- Basic module, compact size with APC Driver Circuit inside, ideal for industrial application for positioning, measuring, pointing and laser sighting device.
- Wood processing.
- Metal processing.
- Stone processing.
- Textile industry.
- Food industry.
- Automotive industry.
- Medical science

VLM-520-01-Series

OUTLINE DIMENSIONS (UNITS: mm)



SPECIFICATIONS

SPECIFICATIONS		VLM-520-01-	
		LPT	LPA
1	Dimensions	Ø10.4 x 18.4 mm (Ø0.409" x 0.724")	
2	Weight	9g	
3	Operating voltage (Vop)	7~10 VDC	
4	Operating current (Iop)	< 80mA	< 100mA
5	Continuous wave output power (Po)	< 1mW	< 4mW
6	Wavelength at peak emission (λp)	505~530nm	
7	Collimating lens	Aspherical plastic lens	
8	Output aperture	5mm	
9	Beam shape	Dot	
10	Spot size at 3M	< 4.5mm	
11	Divergence (Half Angle)	0.5 mRad	
12	Operating temp. range	-20°C ~+65°C	
13	Storage temp. range	-20°C ~+65°C	
14	Housing material	Bronze	
15	Housing color	Brass	
16	Potential of housing	VDD(+)	
17	Wire type	1007-26AWG	
18	Cable length	127mm	
19	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-520-01-Series

ORDER CODE

Order Code	Wavelength	Output Power	Connection Type
VLM-520-01 LPA	520 nm	<4mW	Lead Wire
VLM-520-01 LPT	520 nm	<1mW	Lead Wire

SAFETY LABEL

