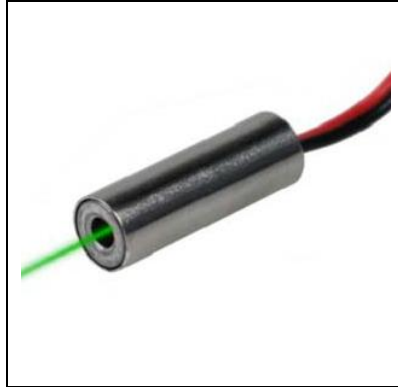


## Economical Green Dot Laser

### VLM-520-03-Series



#### FEATURES:

- Direct Green Laser Diode module to provide large temperature operation range.
- Ideal for economical Laser Pointing/Position solution.
- This module has integrated optic, laser diode, and APC driver circuit.
- APC Driver Circuit enables the Laser output power safe and constant.
- Aspherical plastic lens provides tight Dot Laser.

Dimensions : Ø7 x 21 mm (Ø0.276" x 0.827")

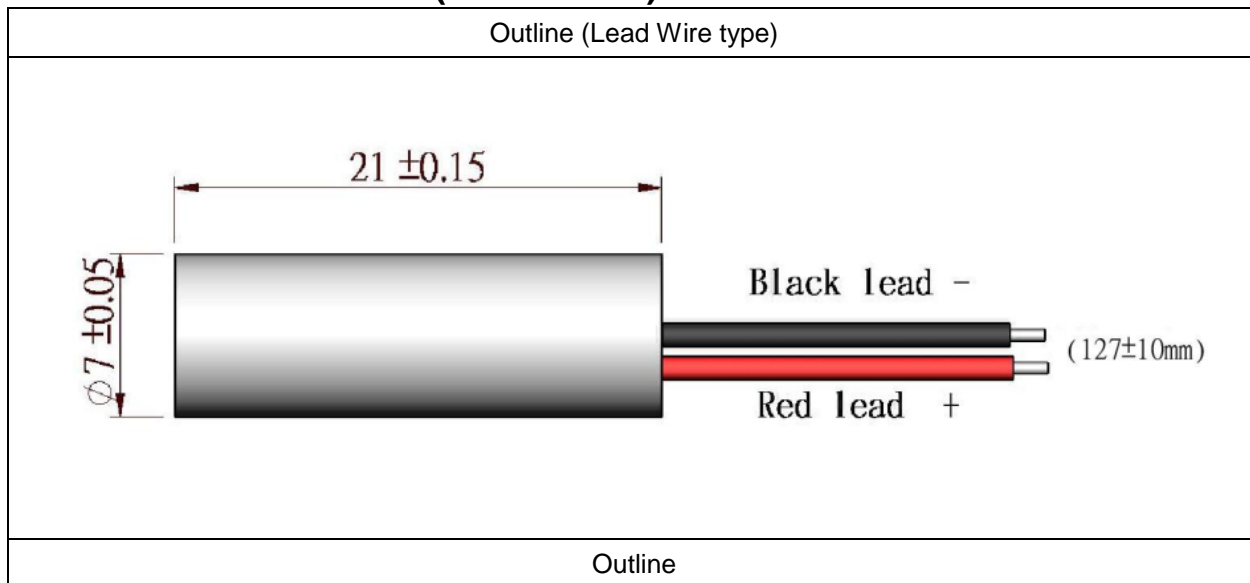
- Wavelength : 505~530 nm
- Output power : LPT - Class II – less than 1mW.
- Beam Divergence (Half Angle) : 0.6 mRad
- 7~10 VDC operation.
- Connection type : Lead wire

#### APPLICATIONS:

- Economical Green Dot Laser Module - Low cost solution for consumer grade positioning, measuring, pointing and laser sighting device.
- Wood processing.
- Metal processing.
- Stone processing.
- Textile industry.
- Food industry.
- Automotive industry.
- Medical science

## VLM-520-03-Series

### OUTLINE DIMENSIONS (UNITS: mm)



### SPECIFICATIONS

SPECIFICATIONS		VLM-520-03- <b>LPT</b>
1	Dimensions	$\phi 7 \times 21$ mm ( $\phi 0.276" \times 0.827"$ )
2	Operating voltage (Vop)	7~10 VDC
3	Operating current (Iop)	< 80mA
4	Continuous wave output power (Po)	< 1mW
5	Wavelength at peak emission ( $\lambda_p$ )	505~530nm
6	Collimating lens	Aspherical plastic lens( $\phi 5$ )
7	Spot size at 5M	< 4mm
8	Divergence (Half Angle)	0.6 mRad
9	Operating temp. range	-20°C ~+65°C
10	Storage temp. range	-20°C ~+65°C
11	Housing material	Steel
12	Mean time to failure (MTTF) 25°C	5000hrs

**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-520-03-Series

### ORDER CODE

Order Code	Wavelength	Output Power	Connection Type
VLM-520-03 LPT	520 nm	<1mW	Lead Wire

### SAFETY LABEL

