

## Economical Green Dot Laser

### VLM-520-04-Series



#### FEATURES:

- Direct Green Laser Diode module to provide large temperature operation range.
- Ideal Laser module if cost is a very important consideration.
- 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 : Ø6.55 x 28.6 mm (Ø0.258" x 1.125")

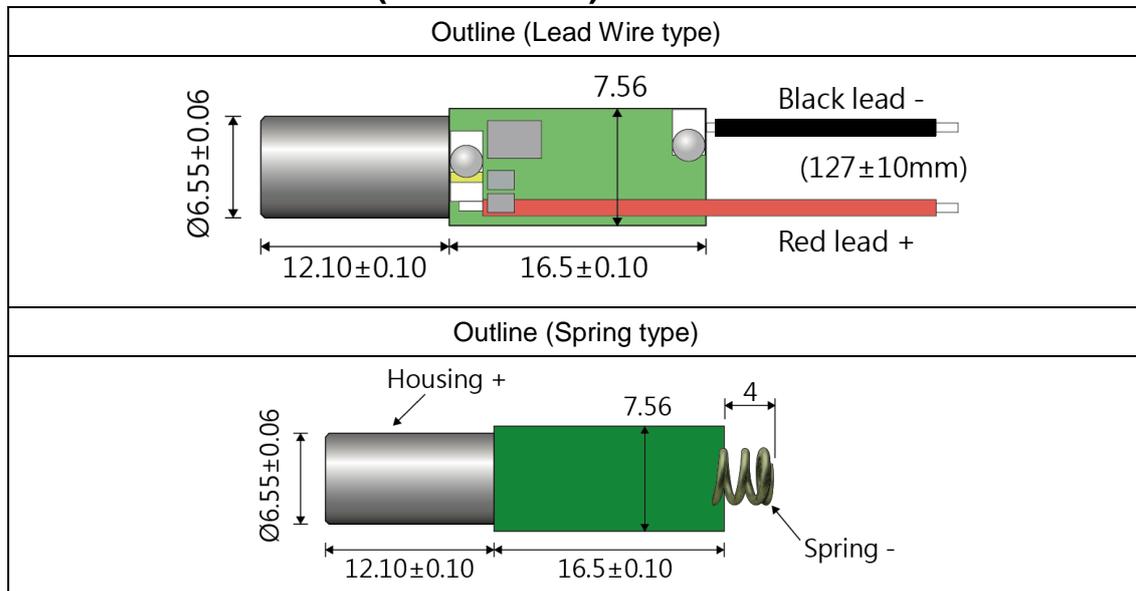
- Wavelength : 510~530 nm
- Output power : LPT - Class II – less than 1mW.
- Beam Divergence (Half Angle) : 0.6 mRad
- 3~7 VDC operation.
- Connection type : Lead wire / Spring

#### 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-520-04-Series

### OUTLINE DIMENSIONS (UNITS: mm)



### SPECIFICATIONS

SPECIFICATIONS		VLM-520-04-	
		LPT	
1	Dimensions	$\varnothing 6.55 \times 28.6$ mm ( $\varnothing 0.258" \times 1.125"$ )	
2	Weight	2.4g	
3	Operating voltage (Vop)	3~7 VDC	
4	Operating current (Iop)	< 120mA	
5	Continuous wave output power (Po)	< 1mW	
6	Wavelength at peak emission ( $\lambda_p$ )	510~530nm	
7	Collimating lens	Aspherical plastic lens	
8	Output aperture	3mm	
9	Beam shape	Dot	
10	Spot size at 5M	< 4mm	
11	Divergence (Half Angle)	0.6 mRad	
12	Operating temp. range	+10°C ~+40°C	
13	Storage temp. range	-20°C ~+65°C	
14	Housing material	Zinc alloy	
15	Wire type	1007-26AWG	Spring
16	Cable length	127mm	4mm
17	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-520-04-Series

### ORDER CODE

Order Code	Wavelength	Output Power	Connection Type
VLM-520-04 LPT	520 nm	<1mW	Lead Wire
VLM-520-04 SPT	520 nm	<1mW	Spring

### SAFETY LABEL

