

## Industrial Use Green Laser

### VLM-532-43 Series



#### FEATURES:

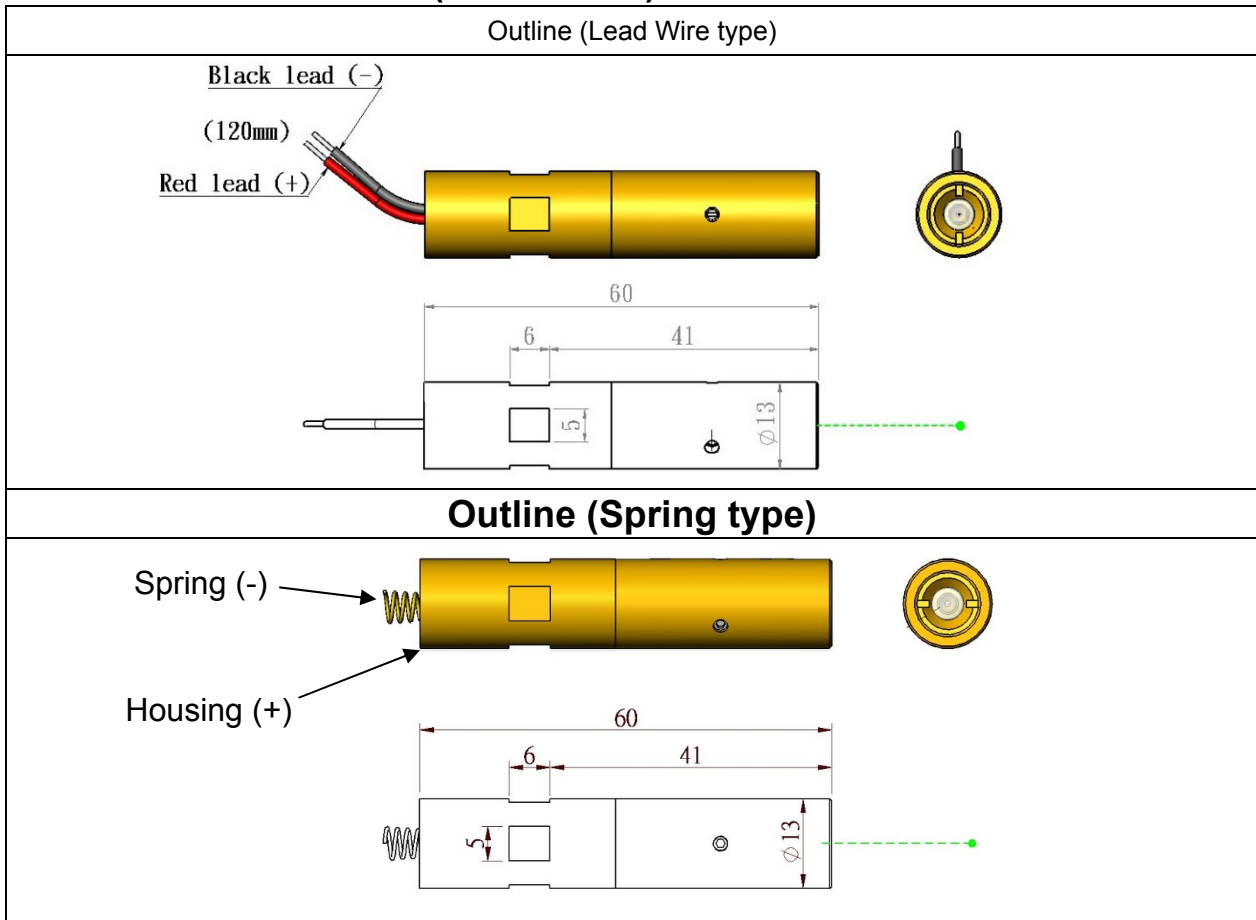
- Industrial Green Dot Laser.
- High quality circular green Laser spot with low beam divergence angle, ideal for industrial application.
- This module has integrated optic, laser diode, and APC driver circuit.
- APC driver circuit enables the Laser output power safe and constant.
- Includes patented solid brass structure for the best shock resistance and better heat transfer consideration.
- Multiple glass lenses included provides high quality Green Dot Laser.
- Dimensions :  $\Phi 13 \times 60$  mm ( $\Phi 0.512" \times 2.362"$ )
- Wavelength : 532 nm
- Output power : Class II – less than 1mW / Class IIIa – less than 5mW / Class IIIb >5mW.
- Beam Divergence (Half Angle) : 0.3 mRad
- 2.7~3.3 VDC operation.
- Connection type: Lead wire/ Spring.

#### APPLICATIONS:

- Industrial Green Dot Laser - Multiple glass lenses boosts the high quality circular green Laser spot with low beam divergence angle, Ideal use includes long distance position, targeting, professional laser sight and security monitor.
- Wood processing.
- Metal processing.
- Stone processing.
- Textile industry.
- Food industry.
- Automotive industry.
- Medical science

## VLM-532-43 Series

### OUTLINE DIMENSIONS (UNITS: mm)



### SPECIFICATIONS

SPECIFICATIONS		532-43-LPT	532-43-LPA	532-43-LPB	532-43-LPC
1	Dimensions	$\Phi 13 \times 60 \text{ mm } (\Phi 0.512" \times 2.362")$			
2	Operating voltage (Vop)	2.7~3.3 VDC			
3	Operating current (Iop)	< 300mA			
4	Continuous wave output power (Po)	<1mW	1~5mW	5~10mW	10~20mW
5	Wavelength at peak emission ( $\lambda_p$ )	532nm			
6	Collimating lens	Multiple glass Lenses			
7	Spot size at 3M	$4 \pm 1\text{mm}@5\text{m}; 18 \pm 2\text{mm}@30\text{m}$			
8	Divergence (Half Angle)	0.3 mRad			
9	Operating temp. range	$+15^{\circ}\text{C} \sim +35^{\circ}\text{C}$			
10	Storage temp. range	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$			
11	Housing	Brass			
12	Mean time to failure (MTTF) 25°C	3000 hrs			

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-532-43 Series

### ORDER CODE

Order Code	Wavelength	Output Power	Connection Type
VLM-532-43 LPT	532 nm	< 1mW	Lead Wire
VLM-532-43 LPA	532 nm	1~5mW	Lead Wire
VLM-532-43 LPB	532 nm	5~10mW	Lead Wire
VLM-532-43 LPC	532 nm	10~15mW	Lead Wire
VLM-532-43 SPT	532 nm	< 1mW	Spring
VLM-532-43 SPA	532 nm	1~5mW	Spring
VLM-532-43 SPB	532 nm	5~10mW	Spring
VLM-532-43 SPC	532 nm	10~15mW	Spring

### SAFETY LABEL

