



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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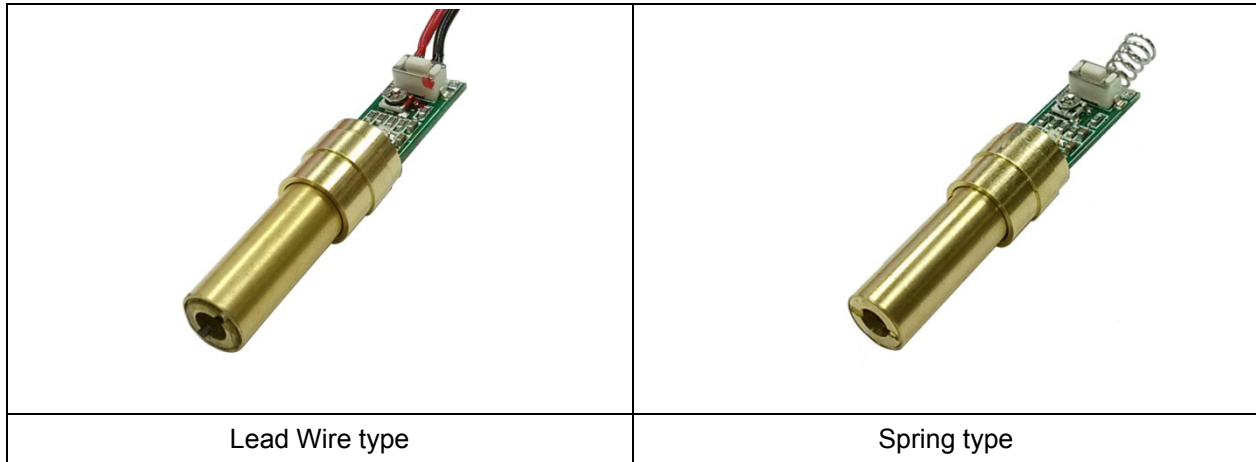
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Economical Green Laser

VLM-532-42 Series



FEATURES:

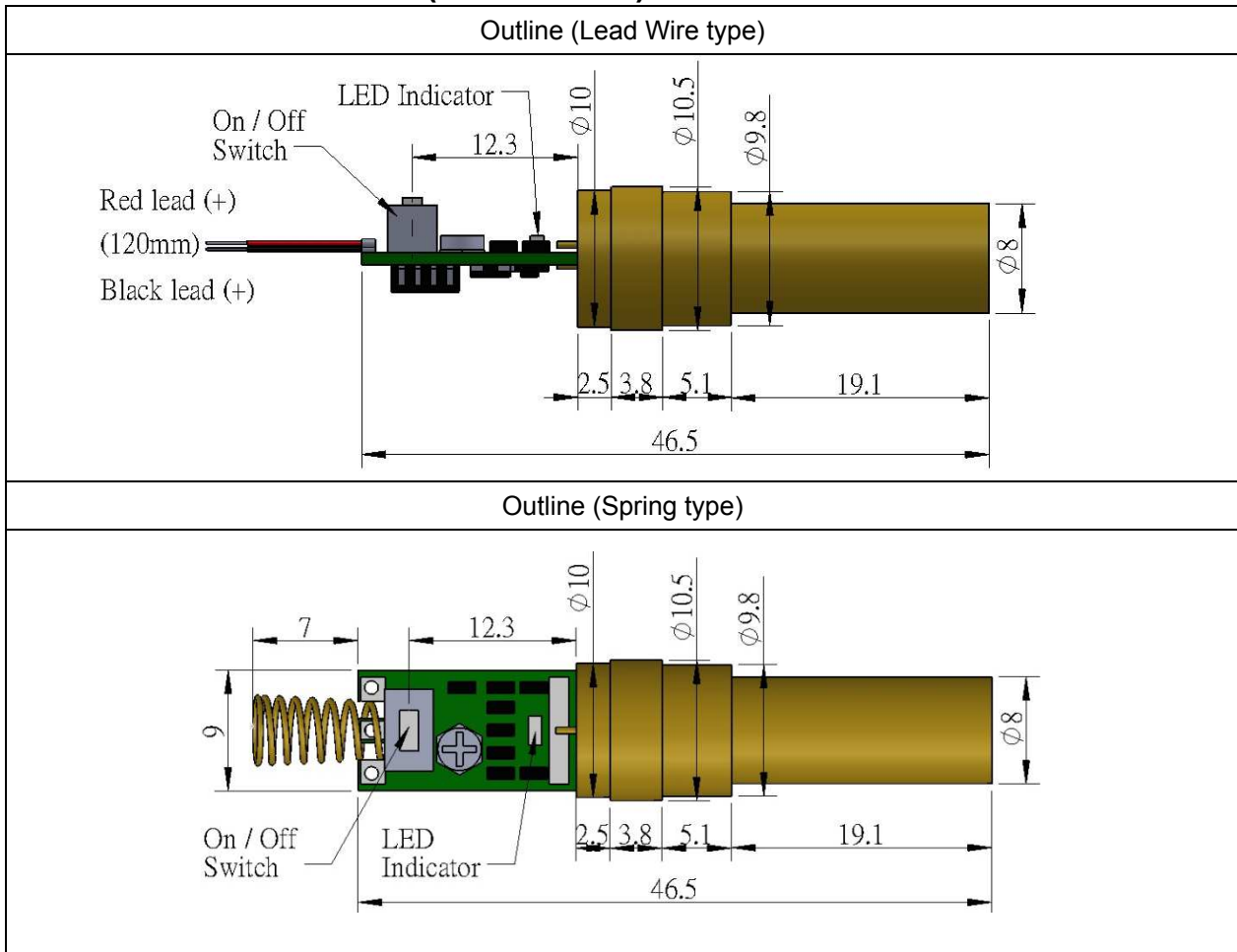
- Economical Green Dot Laser.
- Economical and Compact size solution Green Laser module for general Laser pointer application; with built-in ON/OFF Switch and LED indicator on the PCB.
- This module has integrated optic, laser diode, and APC driver circuit.
- APC driver circuit enables the Laser output power safe and constant.
- Includes patented solid brass structure for the best shock resistance and better heat transfer consideration.
- Multiple glass lenses included provides Green Dot Laser.
- Dimensions: $\Phi 10.5 \times 46.5$ mm ($\Phi 0.413" \times 1.830"$)
- Wavelength : 532 nm
- Output power : Class II – less than 1mW / Class IIIa – less than 5mW.
- Beam Divergence (Half Angle) : 1 mRad
- 2.7~3.3 VDC operation.
- Connection type: Lead wire / Spring.

APPLICATIONS:

- Economical Green Dot Laser – Budget friendly & compact in size with built-in ON/OFF Switch and LED indicator, Ideal 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-532-42 Series

OUTLINE DIMENSIONS (UNITS: mm)



SPECIFICATIONS

SPECIFICATIONS		532-42-SPT/LPT	532-42-SPA/LPA
1	Dimensions	$\phi 10.5 \times 46.5$ mm ($\phi 0.413" \times 1.830"$)	
2	Operating voltage (Vop)	2.7~3.3 VDC	
3	Operating current (Iop)	≤ 300 mA	
4	Continuous wave output power (Po)	<1mW	1~5mW
5	Wavelength at peak emission (λ_p)	532nm	
6	Collimating lens	Multiple glass Lenses	
7	Spot size at 3M	6 ± 1 mm	
8	Divergence (Half Angle)	1 mRad	
9	Operating temp. range	$+20^\circ\text{C} \sim +30^\circ\text{C}$ (Room Temperature)	
10	Storage temp. range	$-20^\circ\text{C} \sim +65^\circ\text{C}$	
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-532-42 Series

ORDER CODE

Order Code	Wavelength	Output Power	Connection Type
VLM-532-42 LPA	532 nm	< 5mW	Lead Wire
VLM-532-42 LPT	532 nm	< 1mW	Lead Wire
VLM-532-42 SPA	532 nm	< 5mW	Spring
VLM-532-42 SPT	532 nm	< 1mW	Spring

SAFETY LABEL

AVOID EXPOSURE,  Laser radiation is emitted from  this Aperture

DANGER

 **LASER RADIATION- AVOID DIRECT EYE EXPOSURE.**

Wavelength: 532 nm
Max. Output: <5mW
Class IIIa Laser Product