Chipsmall

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

INFINITER®

Industrial Use Green Laser

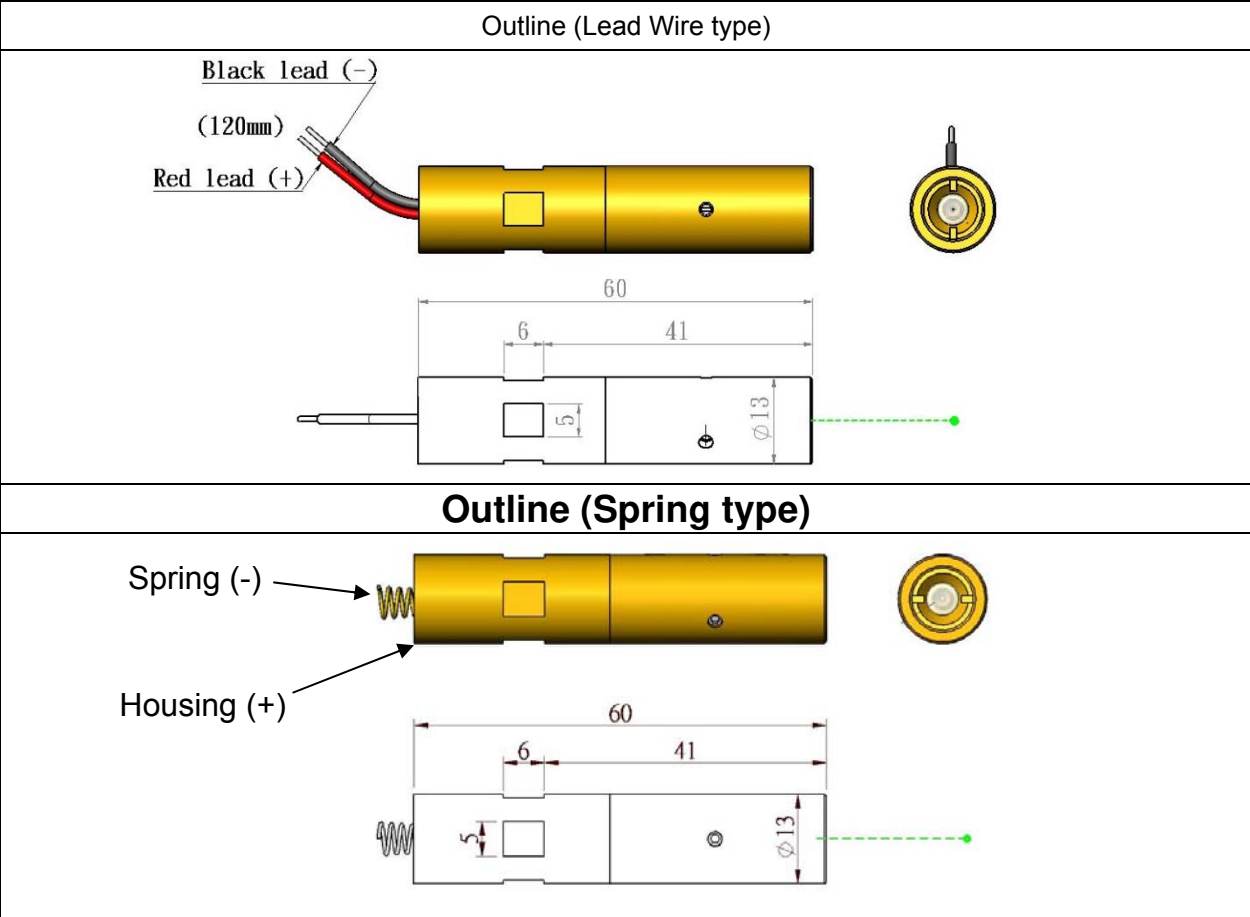## VLM-532-43 Series

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 : Φ13 x 60 mm (Φ0.512" x 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

INFINITER®

VLM-532-43 Series

OUTLINE DIMENSIONS (UNITS: mm)

Outline (Lead Wire type)

Outline (Spring type)

SPECIFICATIONS

SPECIFICATIONS		532-43-LPT	532-43-LPA	532-43-LPB	532-43-LPC
1	Dimensions	Φ13 x 60 mm (Φ0.512" x 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 (λp)	532nm			
6	Collimating lens	Multiple glass Lenses			
7	Spot size	4 ±1mm@5m; 18 ±2mm@30m			
8	Divergence (Half Angle)	0.3 mRad			
9	Operating temp. range	+15°C ~+35°C			
10	Storage temp. range	-40°C ~ +70°C			
11	Housing	Brass			
12	Mean time to failure (MTTF) 25℃	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

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