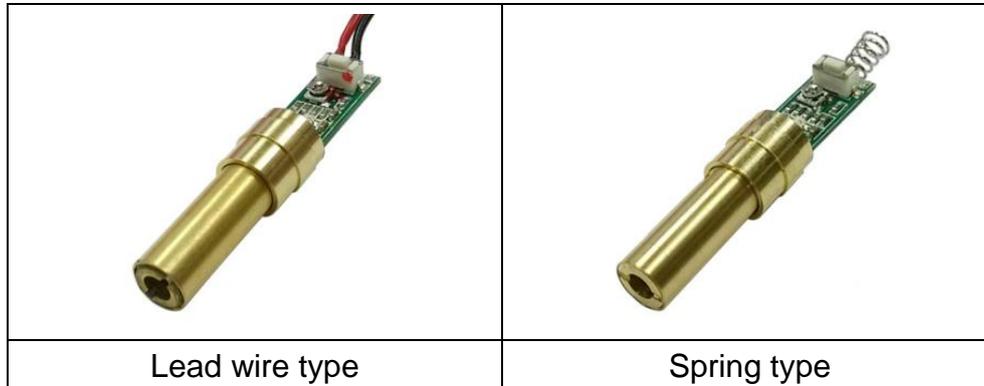


Economical Green Laser

VLM-532-42 Series



FEATURES:

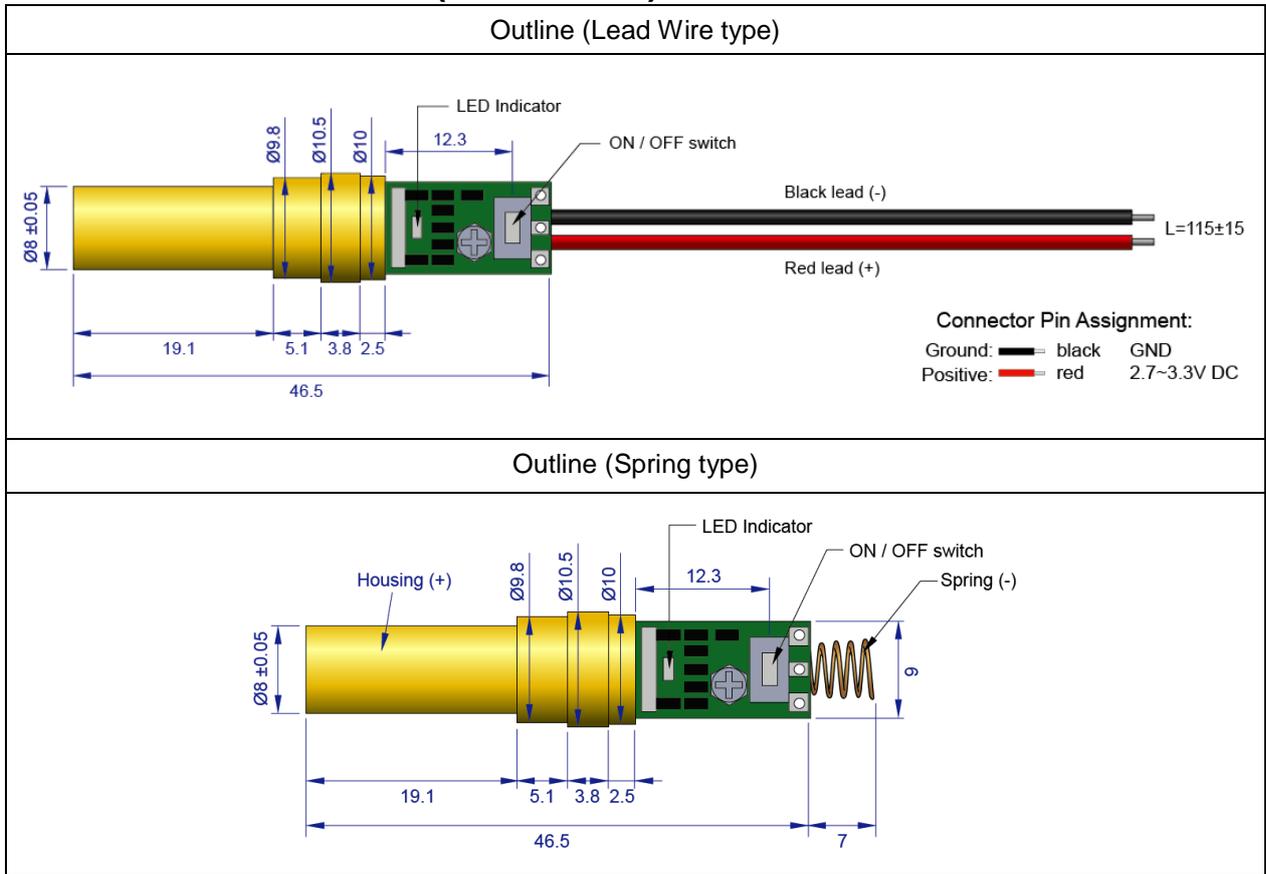
- Economical DPPS Green Dot Laser.
- Economical and Compact size solution Green Laser module for general Laser pointer application; with built-in ON/OFF Switch and LED indicator on the PCB.
- This module has integrated optic, laser diode, and APC driver circuit.
- APC driver circuit enables the Laser 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 : Ø10.5 x 46.5 mm (Ø0.413" x 1.830").
- Wavelength : 532 nm
- Laser power output : LPT - Class II – Less than 1mW.
LPA - 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		VLM-532-42			
		LPT	LPA	SPT	SPA
1	Dimensions	Ø10.5 x 46.5 mm (Ø0.511" x 1.96")			
2	Operating voltage (Vop)	2.7~3.3 VDC			
3	Operating current (Iop)	Less than 300mA			
4	Laser power output	Less than 1mW	Less than 5mW	Less than 1mW	Less than 5mW
5	Laser class	Class II	Class IIIa	Class II	Class IIIa
6	Wavelength at peak emission (λp)	532nm			
7	Collimating lens	Multiple glass Lenses			
8	Beam shape	Circular			
9	Spot size at 3M	6±1 mm			
10	Divergence(Half angle)	1 mRad			
11	Beam alignment	Less than 3°			

VLM-532-42 Series

12	Operating temp. range*	+20°C ~+30°C (Room Temperature)	
13	Storage temp. range	-20°C ~+65°C	
14	Housing material	Brass	
15	Potential housing**	VDD(+)	
16	Electrostatic discharge (ESD)	30KV	
17	Moisture sensitivity level (MSL)	Level 1 - acc to JEDEC J-STD-020E.	
18	Connection type	1007-26AWG	Spring
19	Cable length	115±15mm	7±1mm
20	Mean time to failure (MTTF) 25°C	3000 hrs	
21	Application	DPPS laser	
22	Suggestion work distance	1~30 meters / 3~100 feet	

* Operation temperature: it means within this temperature range, the laser spot/line will not be affected to change the spot size/line width. It can still work over this range, but the laser spot size or laser line width will be larger.

** 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.

ORDER CODE

Order Code	Wavelength	Laser Power Output	Laser Class	Connection Type
VLM-532-42 LPA	532 nm	Less than 5mW	Class IIIa	Lead Wire
VLM-532-42 LPT	532 nm	Less than 1mW	Class II	Lead Wire
VLM-532-42 SPA	532 nm	Less than 5mW	Class IIIa	Spring
VLM-532-42 SPT	532 nm	Less than 1mW	Class II	Spring

SAFETY LABEL

LPT:



LPA:

