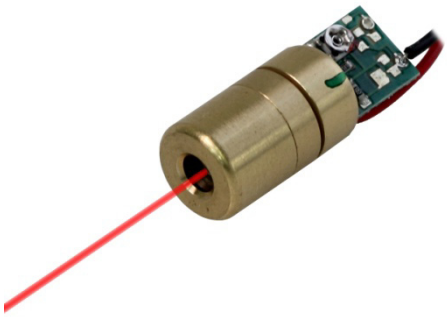
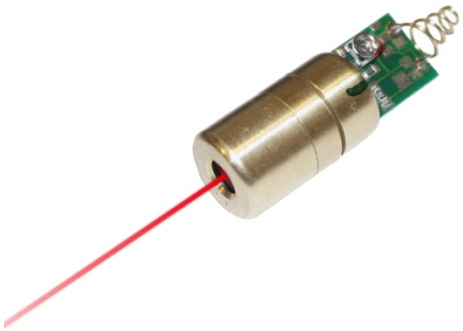
INFINITER®

Adjustable Laser

VLM-635/650-02 Series

	
Lead Wire type	Spring type

FEATURES:

- Industrial Red Dot Laser.
- Adjustable focus Laser module with APC Driver Circuit inside, ideal for industrial Laser 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.
- Aspherical plastic lens provides Dot Laser.
- Dimensions : Φ10.5 x 26 mm (Φ0.413" x 1.023")
- Wavelength : 635 / 650 nm
- Output power : Class II – less than 1mW / Class IIIa – less than 5mW.
- Beam Divergence (Half Angle) : 0.5 mRad
- 2.6~5 VDC operation.
- Connection type: Lead wire / Spring.

APPLICATIONS:

- Industrial Red Dot Laser - for positioning, measuring, pointing and laser sighting device.
- Wood processing.
- Metal processing.
- Stone processing.
- Textile industry.
- Food industry.
- Automotive industry.
- Medical science

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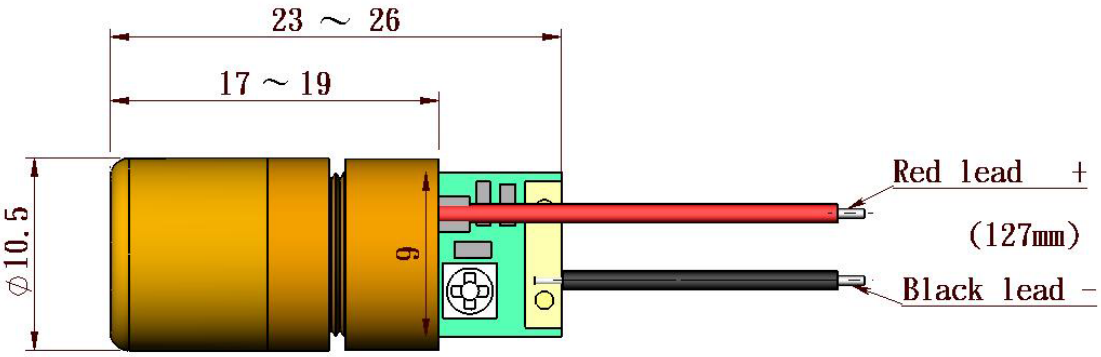
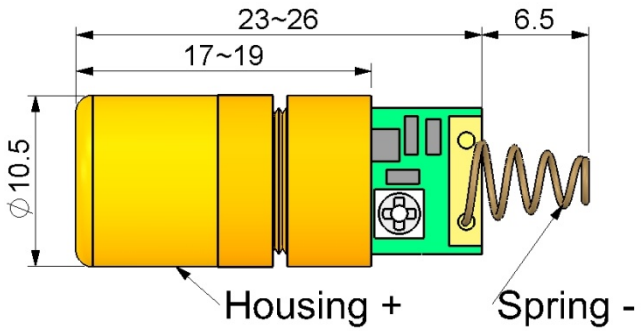
OUTLINE DIMENSIONS (UNITS: mm)

Outline (Lead Wire type)



Outline (Spring type)



SPECIFICATIONS

SPECIFICATIONS		635-02	650-02
1	Dimensions	Φ10.5 x 26 mm (Φ0.413" x 1.023")	
2	Operating voltage (Vop)	2.6~5 VDC	
3	Operating current (Iop)	< 50mA	< 35mA
4	Continuous wave output power (Po)	LPT<1mW / LPA≦3mW	
5	Wavelength at peak emission (λp)	630~645nm	645~665nm
6	Collimating lens	Aspherical plastic lens(ø7)	
7	Spot size at 5M	5±1 mm	
8	Divergence (Half Angle)	0.5 mrad	
9	Operating temp. range	+10°C ~+40°C	
10	Storage temp. range	-20°C ~+65°C	
11	Housing	Brass	
12	Mean time to failure (MTTF) 25℃	5000hrs	10000hrs

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ORDER CODE

Order Code	Wavelength	Output Power	Connection Type
VLM-635-02 LPA	635 nm	≦3mW	Lead Wire
VLM-635-02 LPT	635 nm	＜1mW	Lead Wire
VLM-635-02 SPA	635 nm	≦3mW	Spring
VLM-635-02 SPT	635 nm	＜1mW	Spring
VLM-650-02 LPA	650 nm	≦3mW	Lead Wire
VLM-650-02 LPT	650 nm	＜1mW	Lead Wire
VLM-650-02 SPA	650 nm	≦3mW	Spring
VLM-650-02 SPT	650 nm	＜1mW	Spring

SAFETY LABEL