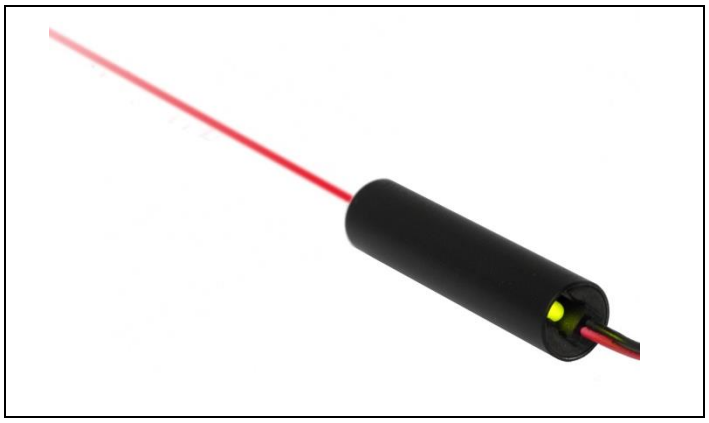
INFINITER®

Adaptor Connected Laser

VLM-635/650-07 Series



FEATURES:

- Red Dot Laser.
- Easy to connect with **5**V,**9**V,**12**V adaptors, with LED indicator .
- This module has integrated optic, laser diode, and APC driver circuit.
- APC Driver Circuit enables the Laser output power safe and constant.
- Aluminum housing for the best heat transfer consideration.
- Utilize Glass Lens, spot-size maintain tight-dot while temperature fluctuates between -20°C ~50°C.
- Dimensions: Φ12.5 x 53 mm (Φ0.492" x 2.087")
- Wavelength : 635 / 650 nm
- Output power : Class II – less than 1mW / Class IIIa – less than 5mW
- Beam Divergence (Half Angle) : 0.45 mRad
- 5~12 VDC operation.
- Connection type: Lead wire.

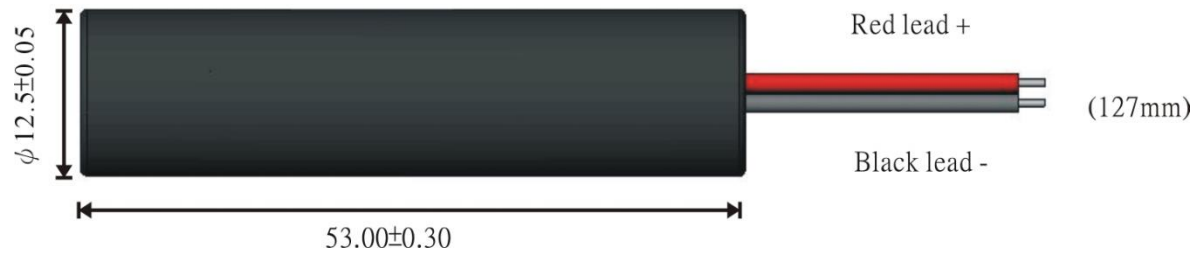
APPLICATIONS:

- 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

VLM-635/650-07 Series

OUTLINE DIMENSIONS (UNITS: mm)

Outline



SPECIFICATIONS

SPECIFICATIONS		635-07	650-07
1	Dimensions	Φ12.5 x 53 mm (Φ0.492" x 2.087")	
2	Operating voltage (Vop)	5~12 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	Glass lens(ø7)	
7	Spot size at 5M	5±0.5 mm	
8	Divergence (Half Angle)	0.45 mRad	
9	Operating temp. range	-20°C ~+50°C	
10	Storage temp. range	-40°C ~+70°C	
11	Housing	Aluminum	
12	Mean time to failure (MTTF) 25℃	5000hrs	10000hrs

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.

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ORDER CODE

Order Code	Wavelength	Output Power	Connection Type
VLM-635-07 LPA	635 nm	≦3mW	Lead Wire
VLM-635-07 LPT	635 nm	＜1mW	Lead Wire
VLM-650-07 LPA	650 nm	≦3mW	Lead Wire
VLM-650-07 LPT	650 nm	＜1mW	Lead Wire

SAFETY LABEL