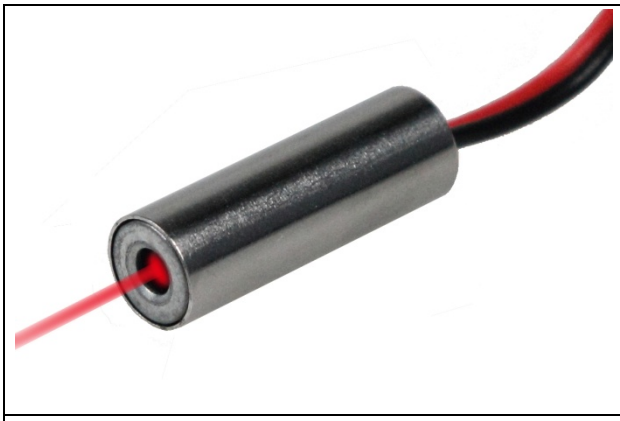
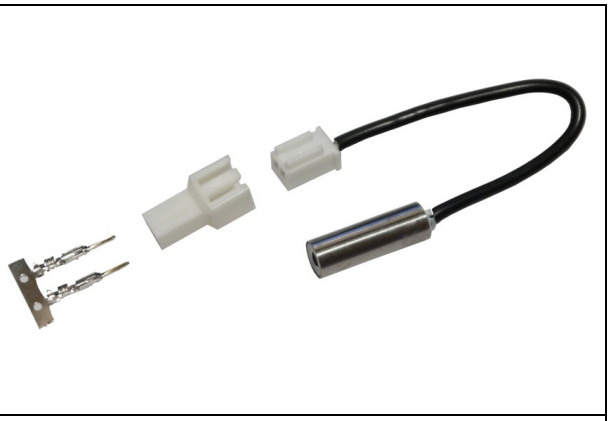
INFINITER®

Economical Laser

VLM-635/650-03 Series

	
Lead Wire type	Connector type

FEATURES:

- Economical Red Dot Laser.
- Ideal for economical Laser Pointer solution.
- This module has integrated optic, laser diode, and APC driver circuit.
- APC Driver Circuit enables the Laser output power safe and constant.
- Aspherical plastic lens provides Dot Laser.
- Dimensions: Φ7 x 21 mm (Φ0.276" x 0.827")
- Wavelength : 635 / 650 nm
- Output power: Class II – less than 1mW / Class IIIa – less than 5mW.
- Beam Divergence (Half Angle) : 0.6 mRad
- 2.6~5 VDC operation.
- Connection type: Lead wire / Connector.

APPLICATIONS:

- Economical Red Dot Laser - Low cost solution for consumer grade 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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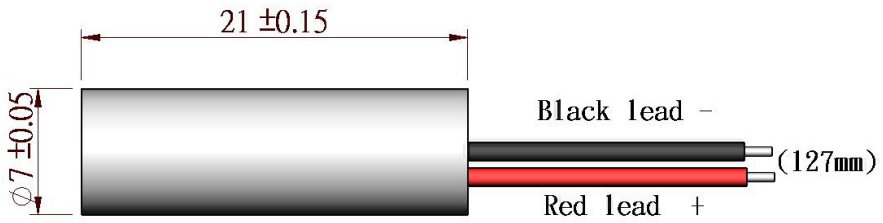
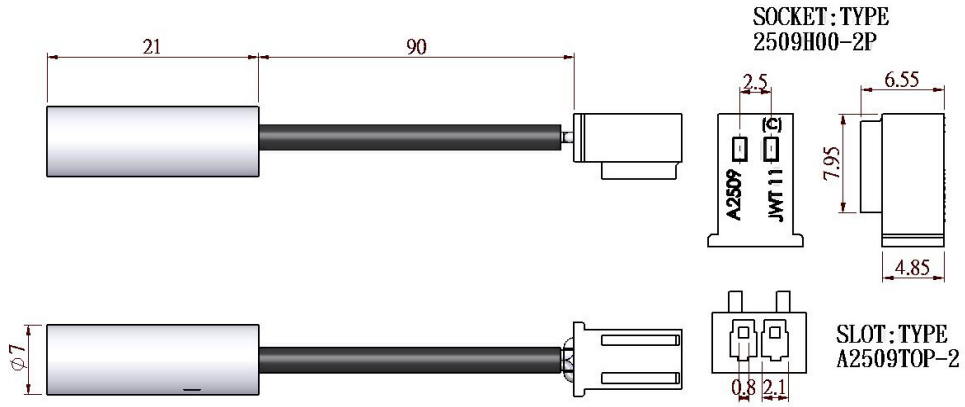
OUTLINE DIMENSIONS (UNITS: mm)

Outline (Lead Wire type)



Outline (Connector type)



SPECIFICATIONS

SPECIFICATIONS		635-03	650-03
1	Dimensions	Φ7 x 21 mm (Φ0.276" x 0.827")	
2	Operating voltage (Vop)	2.6~5 VDC	
3	Operating current (Iop)	< 50mA	< 35mA
4	Continuous wave output power (Po)	LPT<1mW / LPA≦2.5mW	
5	Wavelength at peak emission (λp)	630~645nm	645~665nm
6	Collimating lens	Aspherical plastic lens(ø5)	
7	Spot size at 5M	6±1 mm	
8	Divergence (Half Angle)	0.6 mRad	
9	Operating temp. range	+15°C ~ +30°C (Room Temperature)	
10	Storage temp. range	-20°C ~+65°C	
11	Housing	Steel	
12	Mean time to failure (MTTF) 25℃	5000hrs	10000hrs

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ORDER CODE

Order Code	Wavelength	Output Power	Connection Type
VLM-635-03 LPA	635 nm	≦2.5mW	Lead Wire
VLM-635-03 LPT	635 nm	＜1mW	Lead Wire
VLM-635-03 CPA	635 nm	≦2.5mW	Connector
VLM-635-03 CPT	635 nm	＜1mW	Connector
VLM-650-03 LPA	650 nm	≦2.5mW	Lead Wire
VLM-650-03 LPT	650 nm	＜1mW	Lead Wire
VLM-650-03 CPA	650 nm	≦2.5mW	Connector
VLM-650-03 CPT	650 nm	＜1mW	Connector

SAFETY LABEL