

IR Economical Laser

VLM-780/850-03 Series



FEATURES:

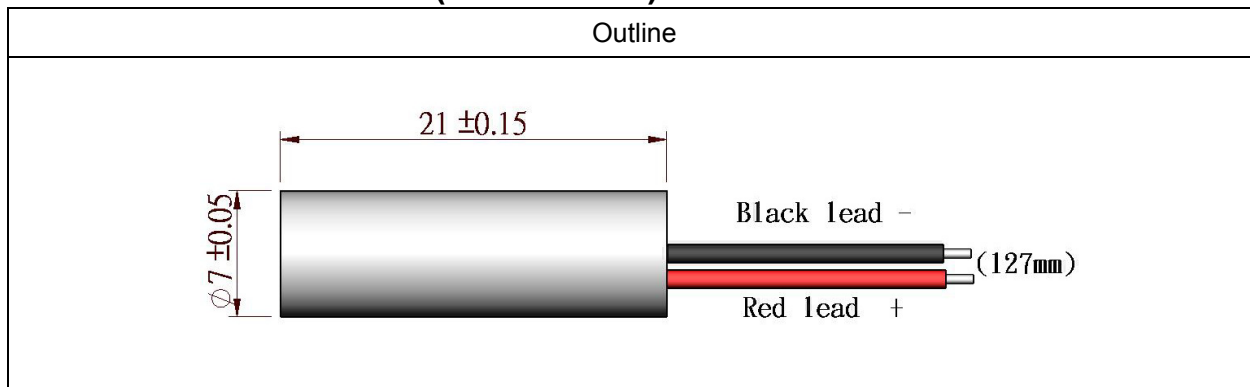
- Economical Infrared Dot Laser.
- Economical solution for invisible IR Laser application.
- This module has integrated optic, laser diode, and APC driver circuit.
- APC Driver Circuit enables the Laser output power safe and constant.
- Aspherical plastic lens provides Dot Laser.
- Dimensions: $\Phi 7 \times 21$ mm ($\Phi 0.276" \times 0.827"$)
- Wavelength : 780 / 850 nm
- Output power: LPT <1 mW / LPA ≤ 3 mW.
- Beam Divergence (Half Angle) : 0.6 mRad
- 2.6~5 VDC operation.
- Connection type: Lead wire.

APPLICATIONS:

- Invisible IR 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-780/850-03 Series

OUTLINE DIMENSIONS (UNITS: mm)



SPECIFICATIONS

SPECIFICATIONS		780-03	850-03
1	Dimensions	Φ7 x 21 mm (Φ0.276" x 0.827")	
2	Operating voltage (Vop)	2.6~5 VDC	
3	Operating current (Iop)	< 40mA	< 30mA
4	Continuous wave output power (Po)	LPT<1mW / LPA ≤ 3mW	
5	Wavelength at peak emission (λp)	770~795nm	840~865nm
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°C	5000hrs	

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-780-03 LPA	780 nm	$\leq 3\text{mW}$	Lead Wire
VLM-780-03 LPT	780 nm	$< 1\text{mW}$	Lead Wire
VLM-850-03 LPA	850 nm	$\leq 3\text{mW}$	Lead Wire
VLM-850-03 LPT	850 nm	$< 1\text{mW}$	Lead Wire

SAFETY LABEL

