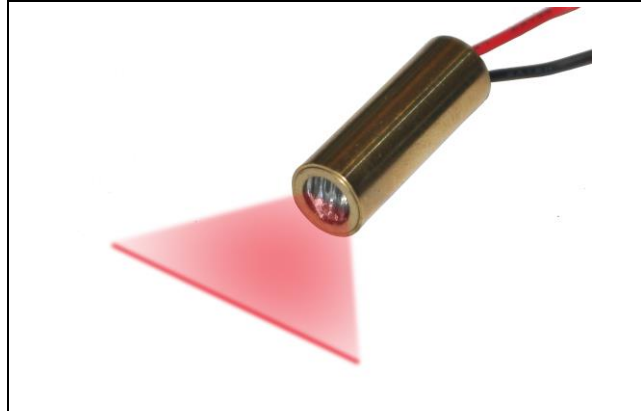


Economical Line Laser

VLM-650-28 Series



FEATURES:

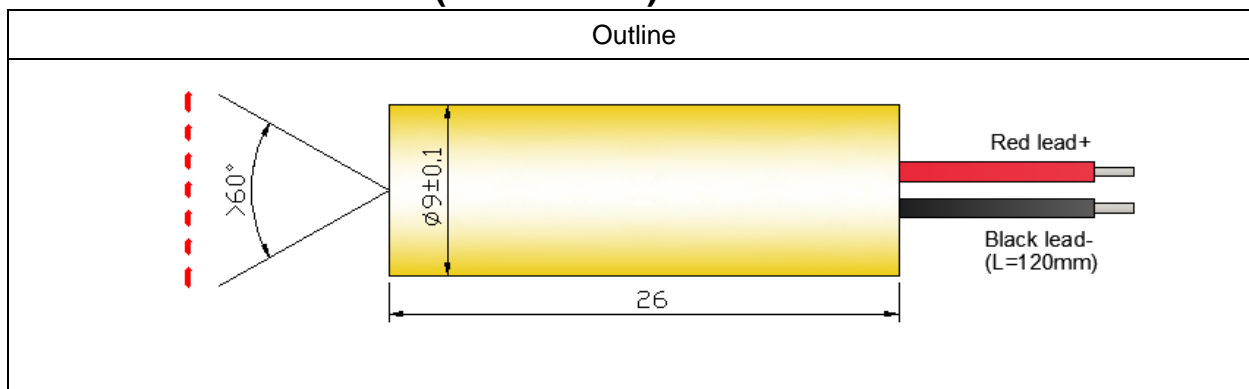
- Economical Red Line Laser.
- Line-width optimize at short distance(1m) for consumer grade laser line generator applications.
- This module has integrated wavy lens, collimating lens, laser diode, and APC driver circuit.
- APC driver circuit enables the Laser output power safe and constant.
- Includes patented solid brass structure for the best shock resistance and better heat transfer consideration.
- Aspherical Plastic Lens and Plastic Wavy Lens provides Line Laser.
- Dimensions: $\Phi 9 \times 26$ mm($\Phi 0.354" \times 1.024"$)
- Wavelength : 650 nm
- Output power (Center/Total) : Class II – less than 1mW / 2mW
- Emitting angle: $> 60^\circ$
- 2.6~5 VDC operation.
- Connection type: Lead wire

APPLICATIONS:

- Economical Red Line Laser, Line-width optimize at short distance(1m) for consumer grade 3d-Scanner, barcode reader, leveling, alignment, adjusting, positioning, measuring and targeting device.
- Wood processing.
- Metal processing.
- Stone processing.
- Textile industry.
- Food industry.
- Automotive industry.
- Medical science

VLM-650-28 Series

OUTLINE DIMENSIONS (UNITS: mm)



SPECIFICATIONS

SPECIFICATIONS		650-28
1	Dimensions	Φ9 x 26 mm(Φ0.354" x 1.024")
2	Operating voltage (Vop)	2.6~5 VDC
3	Operating current (Iop)	< 35mA
4	Continuous wave output power (Center)	<1mW
5	Continuous wave output power (Total)	2mW
6	Wavelength at peak emission (λp)	645~665nm
7	Beam shape	Line
8	Wavy lens	Plastic lens
9	Collimating lens	Aspherical plastic lens
10	Laser line Width	<1.2mm@1m
11	Emitting angle	> 60°
12	Wire Type	1007-26AWG
13	Cable length	115±15mm
14	Operating temp. range	+15°C ~ +30°C (Room Temperature)
15	Storage temp. range	-20°C ~+65°C
16	Housing	Brass
17	Mean time to failure (MTTF) 25°C	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.

VLM-650-28 Series

ORDER CODE

Order Code	Wavelength	Total Output Power	Connection Type
VLM-650-28 LPT	650 nm	2 mW	Lead Wire

SAFETY LABEL

