



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



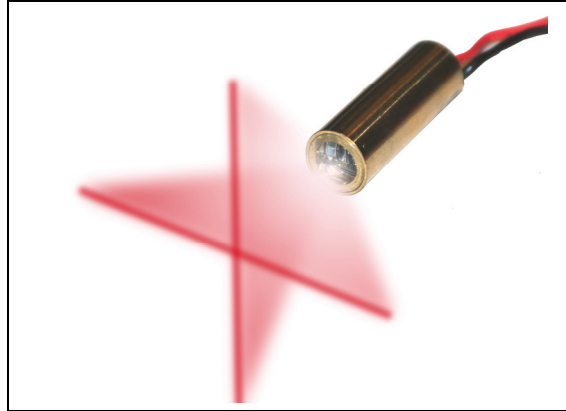
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CROSS LINE LASER**VLM-650-29 Series****FEATURES:**

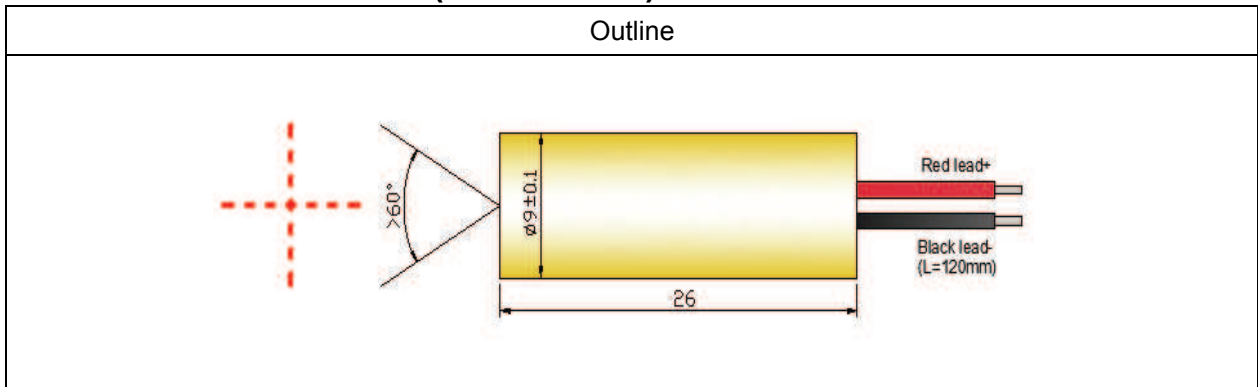
- Red Cross-Line Laser.
- Economical solution for laser Cross-Line generator applications.
- This module has integrated wavy lens, collimating lens, laser diode, and APC driver circuit.
- APC driver circuit enables constant Laser output power.
- Includes patented solid brass structure for the best shock resistance and better heat transfer consideration.
- Aspherical Plastic Lens and Plastic Wavy Lens provides Cross-Line Laser.
- Laser line accuracy: 80".
- Emitting angle: > 60°
- Output power (Center) : Class II – less than 1mW.
- Connection type: Lead wire.
- 3~5 VDC operation.
- E.S.D. protection 15KV.
- Dimensions: $\Phi 9 \times 26$ mm.

APPLICATIONS:

- Red Cross-Line Laser, for leveling, alignment, adjusting, positioning, measuring, targeting, pointing and laser sighting device.
- Wood processing.
- Metal processing.
- Stone processing.
- Textile industry.
- Food industry.
- Automotive industry.
- Medical science

VLM-650-29 Series

OUTLINE DIMENSIONS (UNITS: mm)



SPECIFICATIONS

SPECIFICATIONS		650-29
1	Dimensions	Φ9 x 26 mm
2	Operating voltage (Vop)	3~5 VDC
3	Operating current (Iop)	< 35mA
4	Continuous wave output power (Po)	<1mW
5	Wavelength at peak emission (λp)	645~665nm
6	Cylindrical lens	Wavy Plastic Lens
7	Collimating lens	Aspherical plastic lens(ø5)
8	Laser line Width	3.5 ±1mm@5m
9	Laser line accuracy	80" (+/- 2mm @5m)
10	Emitting angle	> 60°
11	Operating temp. range	+15°C ~ +30°C (Ambient Temperature)
12	Storage temp. range	-20°C ~+65°C
13	Housing	Brass
14	Mean time to failure (MTTF) 25°C	10000hrs

VLM-650-29 Series

ORDER CODE

Order Code	Wavelength	Output Power	Connection Type
VLM-650-29 LPT	650 nm	< 1mW	Lead Wire

SAFETY LABEL

