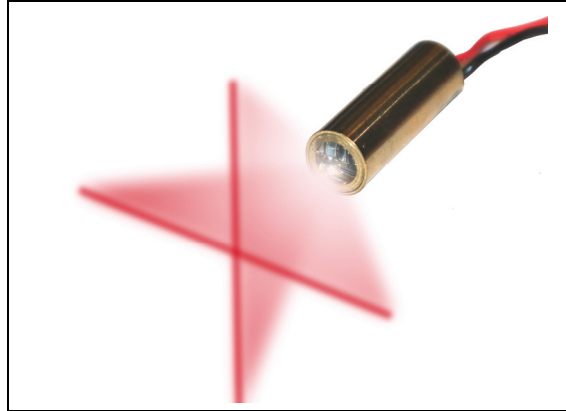


CROSS LINE LASER

VLM-650-29 Series



FEATURES:

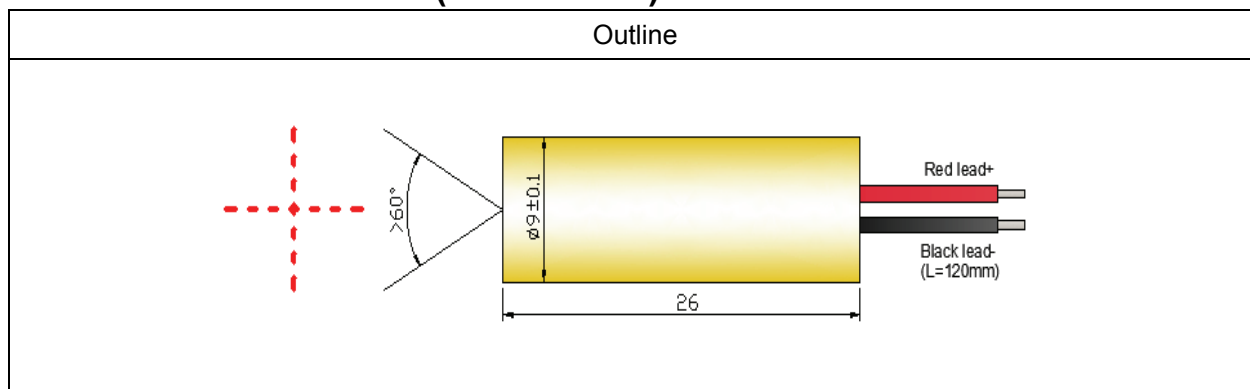
- Red Cross-Line Laser.
- Economical solution for laser Cross-Line generator applications.
- This module has integrated wavy lens, collimating lens, laser diode, and APC driver circuit.
- APC driver circuit enables constant Laser output power.
- Includes patented solid brass structure for the best shock 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

