

## Features

- ▶ Typical wavelength, 655nm
  - ▶ Stabilized optical power 2.5mW
  - ▶ Single supply voltage, 5V DC
  - ▶ **Modulation : digital, analog ~300KHz**
  - ▶ Low power consumption
  - ▶ Over current protection
  - ▶ Wire length : 30cm(standard) or custom
  - ▶ Laser class : 3R (IEC 60825-1)
- ◆ **Option : Bracket & Power supply.**

## Specification

### Optical

Optical power(mW)	2.5 (Tc=25°C)
LD power(mW)	5 (Max)
Wavelength(nm)	655 ±5
Focus Beam Dia(mm)	0.2x0.1(at 300mm)
Collimated Beam Dia(mm)	3x2(at 10m)
Collimated Beam Div(mrad)	<0.5
Beam Quality	TEM00, M²<1.2
Beam intensity Pattern	Gaussian
LD Pin Connection	Case Ground

### Electrical

Operating voltage(DC V)	5
Operating current(mA)	40(Typ.)
Operating Temp.(°C)	-10 ~ +50
Storage Temp.(°C)	-40 ~ +85

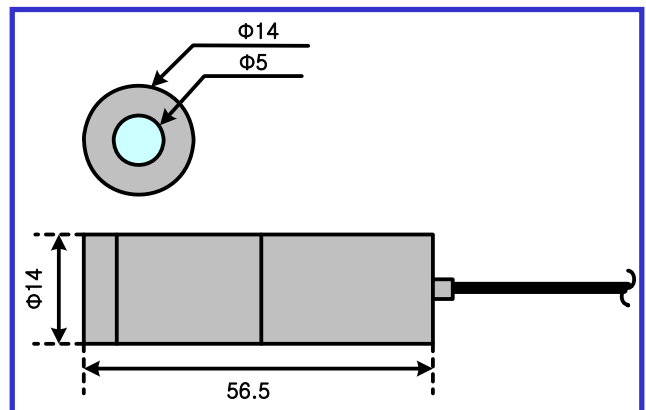
### Mechanical

Weight(g)	22 ± 0.5
Dimensions(mm)	Φ14 X 56.5
Operating lifetime(h)	30,000~50,000(@RT)
Housing material	Aluminum

## Description

The MH series laser diode module combines laser diode technology, quality optics, and sophisticated electronics within a slim and light aluminum anodized housing for variety of applications. This series of modules provides a high-brightness elliptical laser beam in a variety of power up to. Applications include a measurement, positioning, lighting, alignment, guidelines, pointing, switching, leveling, and machine vision etc. Useful in a variety of medical, industrial, and scientific instrumentation, as well as general R&D work.

## Drawings



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