

Features

- ▶ Typical wavelength, 635nm
 - ▶ Stabilized optical power 7mW
 - ▶ Single supply voltage, 5V DC
 - ▶ Low power consumption
 - ▶ Over current protection
 - ▶ Wire length : 30cm(standard) or custom
 - ▶ Laser class : b
- ◆ Option : Bracket & Power supply.

Specification

Optical

Optical power(mW)	7 (Tc=25°C)
LD power(mW)	10(Max)
Output Efficiency(%)	70
Wavelength(nm)	635 ±5
Focus Beam Dia(mm)	0.2(at 300mm)
Collimated Beam Dia(mm)	2.5(at 10m)
Collimated Beam Div(mrad)	<0.5
Circularity (%)	92
Beam Quality	TEM00, M ² <1.2
Beam intensity Pattern	Gaussian
LD Pin Connection	Case Ground

Electrical

Operating voltage(DC V)	5
Operating current(mA)	75(Max)
Operating Temp.(°C)	-10 ~ +50
Storage Temp.(°C)	-40 ~ +85

Mechanical

Weight(g)	22 ± 0.5
Dimensions(mm)	14 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

