

Features

- ▶ Typical wavelength, 637nm
- ▶ Stabilized optical power 2.5mW
- ▶ Single supply voltage, 5V DC
- ▶ Line generator
- ▶ Low power consumption
- ▶ Cylindrical glass lens
- ▶ Wire length : 30cm(standard) or custom
- ▶ Laser class : IIIa

◆ **Option : Bracket & Power supply.**

Specification

● Optical

| | |
|---------------------|--------------|
| Optical power(mW) | 2.5(Tc=25°C) |
| LD power(mW) | 5(Max) |
| Wavelength(nm) | 637 ± 8 |
| Fan angle(°) | 45 |
| Beam line width(mm) | <1(at 3m) |

● Electrical

| | |
|-------------------------|-----------|
| Operating voltage(DC V) | 5 ± 5% |
| Operating current(mA) | 65(Max) |
| Operating Temp.(°C) | -10 ~ +50 |
| Storage Temp.(°C) | -40 ~ +85 |

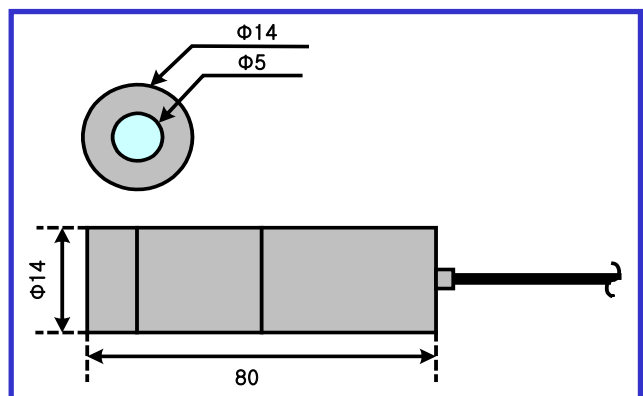
● Mechanical

| | |
|-----------------------|---------------------|
| Weight(g) | 27± 0.5 |
| Dimensions(mm) | 14Φ X 80 |
| Operating lifetime(h) | 30,000~50,000 (@RT) |
| Housing material | Aluminum |

Description

The ML 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 laser line, and have various wavelengths and optical output power. 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



* Range of fan angle.

| Symbol | Angle | Line length [mm] (distance 1m) | |
|--------|-------|----------------------------------|-----------------|
| | | Inclined at 90° | Inclined at 45° |
| 4D | 45° | 830 | 2000 |
| 6D | 60° | 1,160 | 3500 |
| 9D | 90° | 2,000 | About 5000 |
| 12D | 120° | 3,400 | About 8000 |

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