

Features

- ▶ **Typical wavelength, 658nm**
- ▶ **Stabilized optical power**
- ▶ **Single supply voltage, 5V DC**
- ▶ **Collimated or focused beam (adjustable)**
- ▶ **Modulation : digital, analog ~300kHz**
- ▶ **Wire length : 30cm(standard) or custom**
- ▶ **Laser class : 3B (IEC 60825-1:2007)**

Specification

Optical (@RT)

| Items | Values | Unit |
|---------------------------------|----------------------------|------|
| Optical output power | 13±10% | mW |
| Peak wavelength | 658±8 | nm |
| Focused beam dia. (@FWHM) | <0.1 (@300mm) | mm |
| Collimated beam dia. (@FWHM) | <3x2(@10M) | mm |
| Collimated beam div. | <0.5 | mrad |
| Beam quality | TEM00, M ² <1.5 | |
| Beam intensity pattern | Gaussian | |

Electrical (@RT)

| Items | Values | Unit |
|-------------------|------------------------------|------|
| Operating voltage | 5±5% | DC V |
| Operating current | 80 (typ.) | mA |
| Drive circuit | APC | |
| Operating temp. | -10 ~ +50 | °C |
| Storage temp. | -40 ~ +80 | °C |
| LD Pin Connection | Case Ground Case positive | |

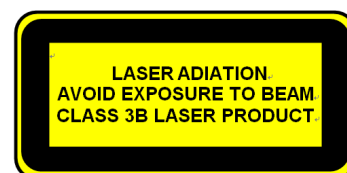
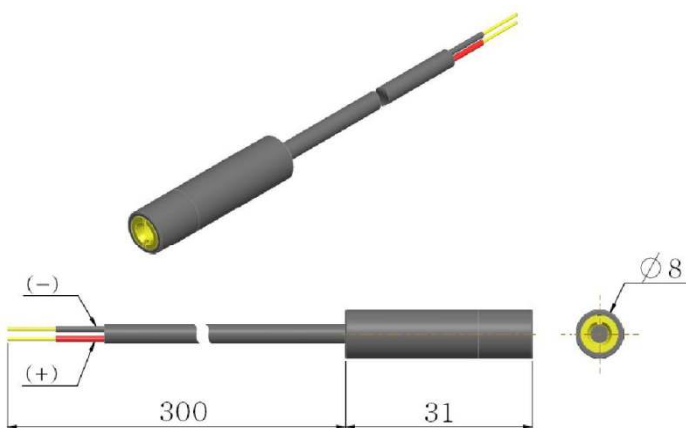
Mechanical

| Items | Values | Unit |
|------------------|----------|------|
| Weight | 12±1 | g |
| Dimensions(mm) | Ø8*31 | mm |
| Housing material | Aluminum | |

Description

The EH series laser diode module combines laser diode technology, quality optics and sophisticated electronics within a slim and light brass housing for variety of applications. This series of modules provides a elliptical laser beam in a variety of power and wavelength. 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



- ◆ **Warranty : One-year**
- ◆ **Accessory : Bracket (Mount) & Power adaptor**

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