

## Features

- ▶ Typical wavelength, 655nm
  - ▶ Adjustable optical power  $\leq 1\text{mW}$
  - ▶ Single supply voltage, 5V DC
  - ▶ Collimated laser beam
  - ▶ Low power consumption
  - ▶ Power control function
  - ▶ Wire length : 30cm(standard) or custom
  - ▶ Laser class : II
- ◆ Option : Bracket & Power supply.

## Specification

### Optical

Optical power(mW) (Adjustable)	$\leq 1$ ( $T_c=25^\circ\text{C}$ )
LD power(mW)	5 (Max)
Output Efficiency(%)	20
Wavelength(nm)	655 $\pm 5$
Focus Beam Dia(mm)	$\Phi 0.15$ (at 300mm)
Collimated Beam Dia(mm)	3x2(at 10m)
Collimated Beam Div(mrad)	$< 0.5$
Beam Quality	TEM00, $M^2 < 1.5$
Beam intensity Pattern	Gaussian
LD Pin Connection	Case Positive

### Electrical

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

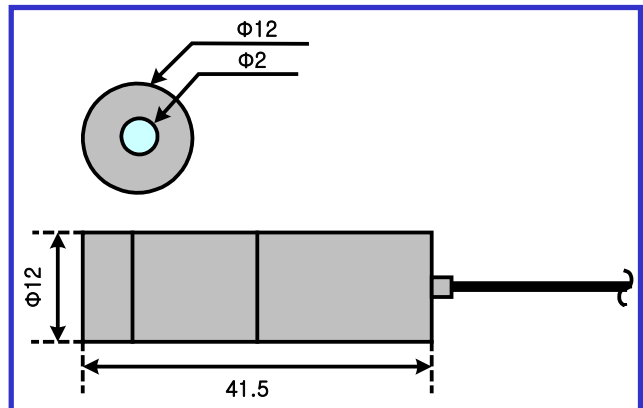
### Mechanical

Weight(g)	$12 \pm 0.5$
Dimensions(mm)	$\Phi 12 \times 41.5$
Operating lifetime(h)	30,000(@RT)
Housing material	Aluminum

## Description

The NA 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 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



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