

### Features

- ▶ Typical wavelength, 635nm
- ▶ Stabilized optical power
- ▶ Single supply voltage, 5V DC
- ▶ Collimated beam
- ▶ Low power consumption
- ▶ Wire length : 30cm(standard) or custom
- ▶ Laser class : 2 (IEC 60825-1:2007)

### Specification

#### Optical (@RT)

| Items                           | Values                     | Unit |
|---------------------------------|----------------------------|------|
| Optical output power            | <1                         | mW   |
| Peak wavelength                 | 635±5                      | nm   |
| Focused beam dia.<br>(@FWHM)    | <0.1 (@300mm)              | mm   |
| Collimated beam dia.<br>(@FWHM) | <3x2(@10M)                 | mm   |
| Collimated beam div.            | <0.5                       | mrad |
| Beam quality                    | TEM00, M <sup>2</sup> <1.5 |      |
| Beam intensity pattern          | Gaussian                   |      |

#### Electrical (@RT)

| Items             | Values                       | Unit |
|-------------------|------------------------------|------|
| Operating voltage | 5±5%                         | DC V |
| Operating current | 35 (typ.)                    | mA   |
| Drive circuit     | APC                          |      |
| Operating temp.   | -10 ~ +50                    | °C   |
| Storage temp.     | -40 ~ +80                    | °C   |
| LD Pin Connection | Case Ground<br>Case positive |      |

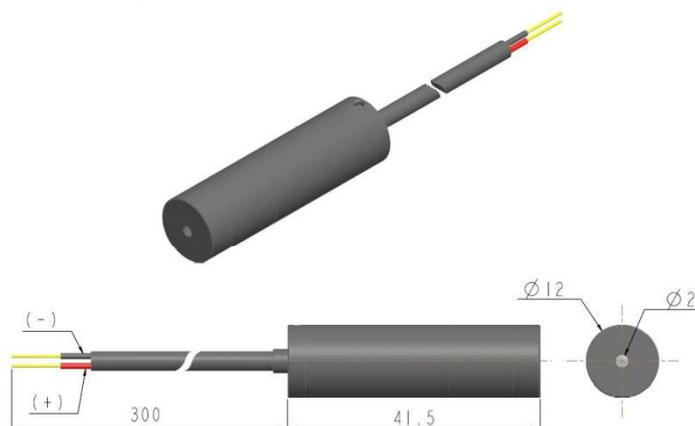
#### Mechanical

| Items            | Values   | Unit |
|------------------|----------|------|
| Weight           | 13±1     | g    |
| Dimensions(mm)   | Ø12*41.5 | mm   |
| 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



◆ **Warranty : One-year**

◆ **Accessory : Bracket (Mount) & Power adaptor**

#### **Lanics Co., Ltd.**

Room #703, 7F Woolim e-Biz Center  
170-5, Guro-dong, Guro-gu, Seoul, 152-050, Korea  
TEL : +82-2-2108-2255 FAX : +82-2-2108-2260

E-mail : support@lanics.com

http:// www.lanics.com