

**Features**

- ▶ Typical wavelength, 637nm
- ▶ Stabilized optical power
- ▶ Single supply voltage, 5V DC
- ▶ Modulation : digital, analog ~300kHz
- ▶ Collimated beam
- ▶ Low power consumption
- ▶ Wire length : 30cm(standard) or custom
- ▶ Laser class : 3R (IEC 60825-1:2007)

**Specification**

● **Optical (@RT)**

| Items                        | Values                     | Unit |
|------------------------------|----------------------------|------|
| Optical output power         | <6                         | mW   |
| Peak wavelength              | 637+8                      | nm   |
| Focused beam dia. (@FWHM)    | <0.2 (@300mm)              | mm   |
| Collimated beam dia. (@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 | 70 (typ.)                    | mA   |
| Drive circuit     | APC                          |      |
| Operating temp.   | -10 ~ +50                    | °C   |
| Storage Temp      | -40 ~ +80                    | °C   |
| LD Pin Connection | Case ground<br>Case positive |      |

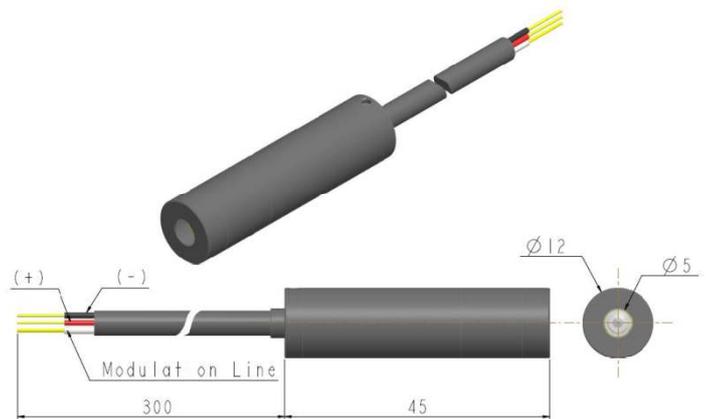
● **Mechanical**

| Items            | Values   | Unit |
|------------------|----------|------|
| Weight           | 15.5±1   | g    |
| Dimensions(mm)   | Ø12*45   | mm   |
| Housing material | Aluminum |      |

**Description**

The NG 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**

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