

## Features

- ▶ Typical wavelength, 855nm
- ▶ Stabilized optical power
- ▶ Single supply voltage, 5V DC
- ▶ Collimated or focused beam (adjustable)
- ▶ Modulation : digital, analog ~300kHz
- ▶ 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	<1	mW
Peak wavelength	855±10	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 <sup>2</sup> <1.5	
Beam intensity pattern	Gaussian	

### Electrical (@RT)

Items	Values	Unit
Operating voltage	5±5%	DC V
Operating current	30 (typ.)	mA
Drive circuit	APC	
Operating temp.	-10 ~ +50	°C
Storage temp.	-40 ~ +80	°C
LD Pin Connection	Case Ground Case positive	

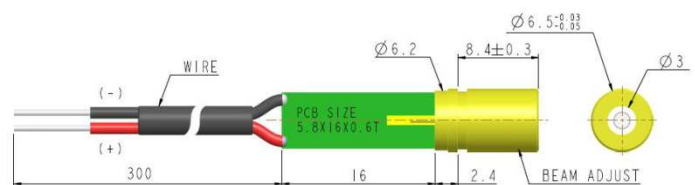
### Mechanical

Items	Values	Unit
Weight	6.5±1	g
Dimensions(mm)	Ø6.5*27	mm
Housing material	Brass	

## Description

The RT 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**

These specifications are subject to change without notice. (ver0.1)

**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](mailto:support@lanics.com)  
[http:// www.lanics.com](http://www.lanics.com)