

Features

- ▶ **Typical wavelength, 905nm**
- ▶ **Stabilized optical power**
- ▶ **Single supply voltage, 5V DC**
- ▶ **Collimated or focused beam (adjustable)**
- ▶ **Modulation : digital, analog ~300kHz**
- ▶ **Requirement a heat dissipation**
- ▶ **Wire length : 30cm(standard) or custom**
- ▶ **Laser class : 3R (IEC 60825-1:2007)**

Specification

Optical (@RT)

Items	Values	Unit
Optical output power	5±10%	mW
Peak wavelength	905+10/-20	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	50 (typ.)	mA
Drive circuit	APC	
Operating temp.	-10 ~ +50	°C
Storage temp.	-40 ~ +80	°C
LD Pin Connection	Case Ground Case positive	

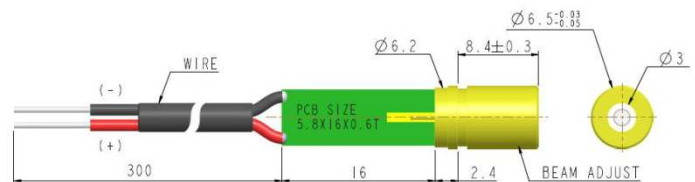
Mechanical

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**

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