

Features

- ▶ Typical wavelength, 785nm
- ▶ Stabilized optical power
- ▶ Attached deflection lens
- ▶ Single supply voltage, 5V DC
- ▶ Collimated or focused beam (adjustable)
- ▶ Low power consumption
- ▶ Wire length : 30cm(standard) or custom
- ▶ Laser class : 1 (IEC 60825-1:2007)

Description

The RS 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 infrared(785nm) gaussian laser line. 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.

Specification

● **Optical (@RT)**

Items	Values	Unit
Optical output power	2.5±10%	mW
Peak wavelength	785±15	nm
Collimated beam dia. (@FWHM)	<1.5(@2M)	mm
Fan angle.	58	°
Line pattern	Accurate straight	
Beam intensity pattern	Gaussian	

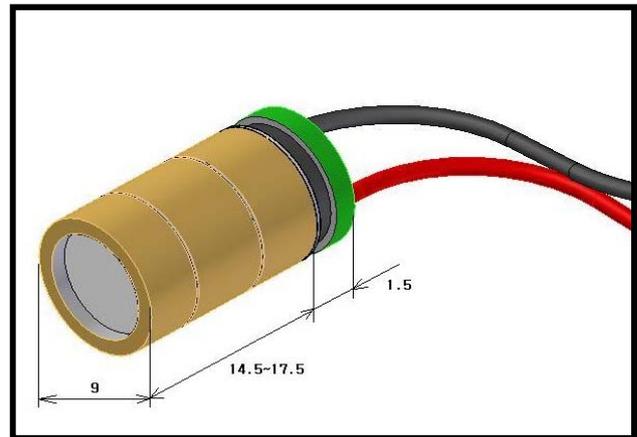
● **Electrical (@RT)**

Items	Values	Unit
Operating voltage	5±5%	DC V
Operating current	25 (typ.)	mA
Drive circuit	APC	
Operating temp.	-10 ~ +50	°C
Storage Temp	-40 ~ +85	°C
LD Pin Connection	Case ground	

● **Mechanical**

Items	Values	Unit
Weight	8±1	g
Dimensions(mm)	Ø9*19	mm
Housing material	Brass	

Drawings



- ◆ **Warranty : One-year**
- ◆ **Accessory : Power adaptor**

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