

### Features

- ▶ Typical wavelength, 515nm
- ▶ Single supply voltage, 7~24V DC
- ▶ Line generator : Cylindrical glass lens
- ▶ Precisely adjustable line thickness
- ▶ 3 elements optic structure  
(2 lens fixed, 1 lens mobile)
- ▶ Wire length : 30cm(standard) or custom
- ▶ Laser class : 1D~6D: 3R  
9D~12D: Class 2 (IEC 60825-1)

### Specification

#### ● Optical (@RT)

Items	Values	Unit
Optical Power	5±10%	mW
Peak wavelength	515±10	nm
Collimated Beam Wide	<3 (@10m)	mm
Beam intensity pattern	Gaussian	

#### ● Electrical (@RT)

Items	Values	Unit
Operating voltage	12±5%	DC V
Operating current	180 (max.)	mA
Drive circuit	ACC	
Operating temp.	-20 ~ +60	°C
Storage temp.	-40 ~ +85	°C
LD Pin Connection	VCC	

#### ● Mechanical

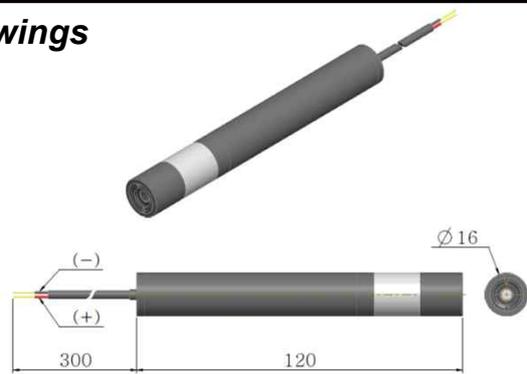
Items	Values	Unit
Weight	40±1	g
Dimensions(mm)	Ø16*120	mm
Housing material	Aluminum	

### Application

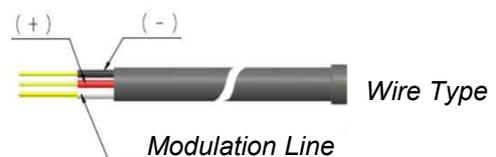
The GS series laser diode module combines laser diode technology, 3 elements lens optics, and sophisticated electronics within a slim and light aluminum anodized housing. Specially, 3 lens structure compensates line beam's curve & unbalance and dot beam's accurate focused point.

This series of modules provides a high-brightness elliptical laser line, and have various wavelengths and optical output power. 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



#### Modulation Option : digital ~1,000KHz



#### Range Of Fan Angle

Symbol	Angle	Line length [mm] (distance 1m)
1D	15°	250
3D	30°	500
4D	45°	830
6D	60°	1150
9D	90°	2000

- ◆ Warranty : One-year
- ◆ Accessory : Bracket (Mount) & Power adaptor

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