

Features

- ▶ **Typical wavelength, 658nm**
- ▶ **Stabilized optical power**
- ▶ **Line generator : Powell lens**
- ▶ **3 elements optic structure (2 lens fixed & 1 lens mobile)**
- ▶ **Supply voltage, 7~24V DC**
- ▶ **Wire length : 30cm(standard) or custom**
- ▶ **Laser class : (IEC 60825-1:2007)**

Description

The GSN series laser diode module combines laser diode technology, 3 elements lens optics, and sophisticated electronics within a slim and light aluminum anodized housing. This series apply to powell lens(non-gaussian lens). And 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.

Specification

● **Optical (@RT)**

Items	Values	Unit
Optical output power	45±10%	mW
Peak wavelength	658±4	nm
Collimated beam wid. (@FWHM)	<3 (@10M)	mm
Fan angle	15,30,45,60,90	°
Line pattern	Non-Gaussian	
Beam quality	TEM00	
Beam intensity pattern	Gaussian	

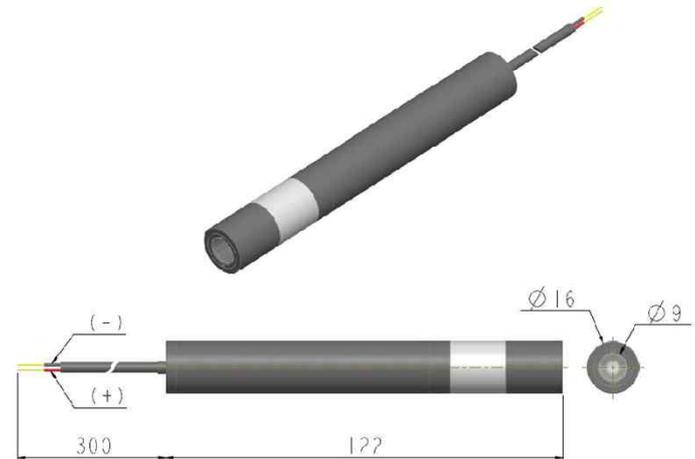
● **Electrical (@RT)**

Items	Values	Unit
Operating voltage	7~24±5%	DC V
Operating current	130 (typ)	mA
Drive circuit	ACC	
Operating temp.	-10 ~ +50	°C
Storage temp.	-40 ~ +85	°C
LD Pin Connection	Case Ground	

● **Mechanical**

Items	Values	Unit
Weight	42±0.5	g
Dimensions(mm)	Ø16*122	mm
Housing material	Aluminum	

Drawings



*** Range of fan angle**

Symbol	Angle	Line length [mm] (@ distance 1M)	Laser Class
1D	15°	250	3B
3D	30°	500	3R
4D	45°	830	3R
6D	60°	1160	3R
9D	90°	2000	3R

◆ **Warranty : One-year**

◆ **Accessory : Bracket (Mount) & Power adaptor**

These specifications are subject to change without notice.

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
http:// www.lanics.com