

Features

- ▶ Typical wavelength, 532nm
- ▶ **DPSS Green Laser**
- ▶ **Stabilized optical power with PD feedback(APC)**
- ▶ Single supply voltage, 12V DC
- ▶ **Line generator : Cylindrical glass lens**
- ▶ Long life time
- ▶ Wire length : 30cm(standard) or custom
- ▶ Laser class : 3R (IEC 60825-1)
- ◆ **Option : Bracket & Power supply.**

Specification

● Optical

| | |
|----------------------------|-----------------------------|
| Optical power(mW) | 20 (Tc=25°C) |
| Power Stability (%) | ± 5 |
| Wavelength(nm) | 532 |
| Spectral line width(nm) | < 0.1 |
| Collimated Beam Wid.(mm) | < 2 (at 2.5m) |
| Collimated Beam Div.(mrad) | < 1.2 |
| Axis align Degree (°) | < 1 |
| Fan Angle (°) | 60,90 |
| Beam Quality | TEM00, M ² < 1.2 |
| WarmUp Time (min) | 20 |
| Beam intensity Pattern | Gaussian |

Electrical

| | |
|-------------------------|---------------|
| Operating voltage(DC V) | 12 ± 5% |
| Operating current(mA) | 200 (Typ.) |
| Drive circuit | APC |
| LD Pin Connection | Case Positive |
| Operating Temp.(°C) | +15 ~ +35 |

Mechanical

| | |
|-----------------------|--------------|
| Weight(g) | 114 ± 1 |
| Dimensions(mm) | 25Φ X 116 |
| Operating lifetime(h) | 10,000 (@RT) |
| Housing material | Aluminum |

Description

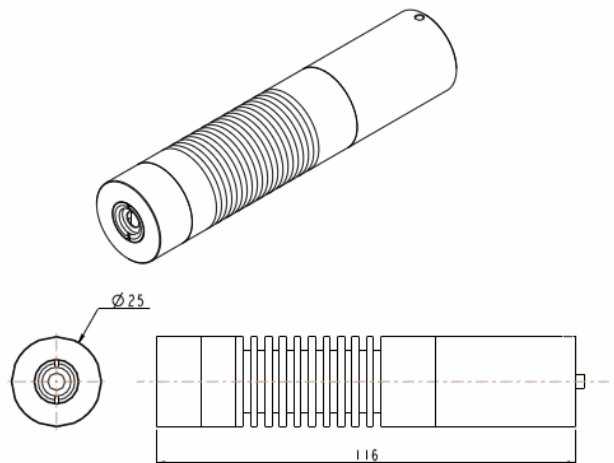
This Green laser emit laser beam of 532nm wavelength using DPSS method. DPSS(Diode pumped solid state) method means that it use high power 808nm LD(laser diode) as pumping energy source and it emit green laser through DPM composed of Nd:YVO4,KTP.

Moreover, Because Green laser using DPSS method has singular divergence angle,we must make the collimation beam using collimator.

It generates stable output power with external PD(Photo diode) feedback.

532nm Green beam is more visible and bright to the human eye. so, we can use green laser in the system of measurement, positioning, lighting, alignment, guideline, leveling, machine vision etc.

Drawings



* Range of fan angle

| Symbol | Angle | Line length [mm] (distance 1m) | |
|--------|-------|----------------------------------|----------------|
| | | Perpendicular | Inclined at45° |
| 6D | 60° | 1160 | 3500 |
| 9D | 90° | 2000 | About 5000 |

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](http://www.lanics.com)