

### Features

- ▶ Typical wavelength, 532nm
- ▶ DPSS green laser
- ▶ Stabilized optical power with PD feedback
- ▶ Single supply voltage, 12V DC
- ▶ Line generator : Powell lens
- ▶ Collimated dot beam
- ▶ Wire length : 30cm(standard) or custom
- ▶ Laser class : (IEC 60825-1:2007)

### Specification

#### Optical (@RT)

Items	Values	Unit
Optical output power	9±10%	mW
Peak wavelength	532±2	nm
Collimated beam dia. (@FWHM)	<2(@2.5M)	mm
Fan angle	30, 45, 60, 90	°
Line pattern	Accurate straight	
Beam intensity pattern	Non-gaussian	

#### Electrical (@RT)

Items	Values	Unit
Operating voltage	12±5%	DC V
Operating current	90 (typ.)	mA
Drive circuit	APC	
Operating temp.	+15 ~ +35	°C
Storage Temp	-40 ~ +80	°C
Warm up time	20	min
LD Pin Connection	Case positive	

#### Mechanical

Items	Values	Unit
Weight	71±1	g
Dimensions(mm)	Ø20*108	mm
Housing material	Aluminum	

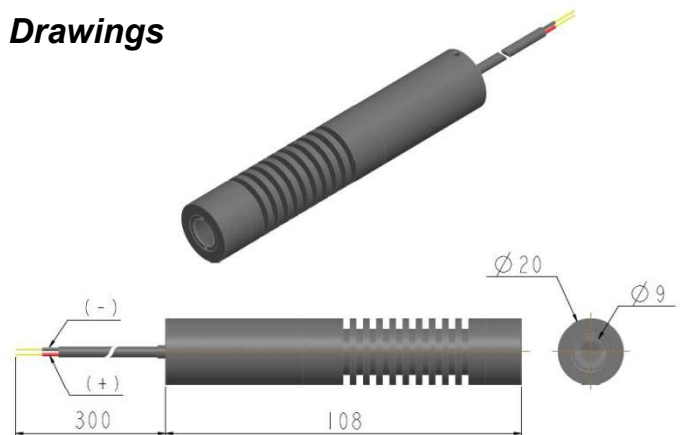
◆ **Warranty : One-year**

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

### Description

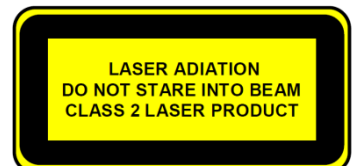
This Green laser emit laser beam of 532nm wavelength using DPSS method. Because green laser using DPSS method has singular divergence angle, we must make the collimation beam using collimator. It generates stable output power with external PD(Photo diode) feedback. This series apply to powell lens(non-gaussian lens). 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 and machine vision etc..

### Drawings



#### \* Range of fan angle

Symbol	Angle	Line length [mm] (@ distance 1m)	Laser Class
LM-5310KGN3D	30°	about 500	3R
LM-5310KGN4D	45°	about 830	2
LM-5310KGN6D	60°	about 1160	2
LM-5310KGN9D	90°	about 2000	1



#### 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](mailto:support@lanics.com)  
[http:// www.lanics.com](http://www.lanics.com)

These specifications are subject to change without notice.