

Features

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

Description

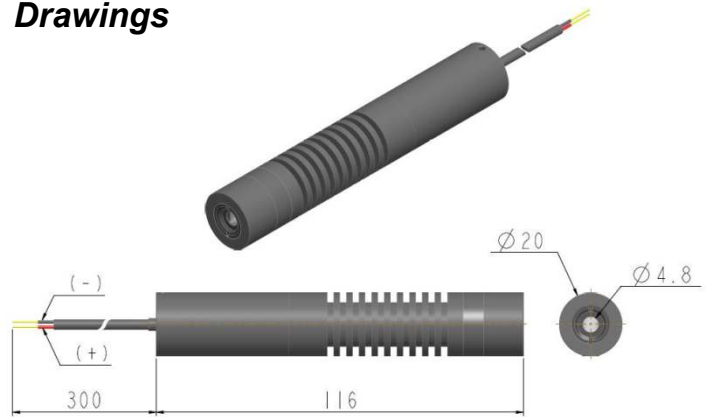
This Green laser emit laser beam of 532nm wavelength using DPSS method. Because green laser using DPSS method has singular divergence angle, we must make the collimation beam using collimator. It generates stable output power with external PD(Photo diode) feedback. 532nm Green beam is more visible and 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.

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	15,30,45,60,90,120	°
Line pattern	Accurate straight	
Beam intensity pattern	Gaussian	

Drawings



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	

* Range of fan angle

Symbol	Angle	Line length [mm] (@ distance 1M)	Laser Class
LM-5310KGL1D	15°	250	3R
LM-5310KGL3D	30°	500	3R
LM-5310KGL4D	45°	830	3R
LM-5310KGL6D	60°	1160	3R
LM-5310KGL9D	90°	2000	3R

Mechanical

Items	Values	Unit
Weight	76±1	g
Dimensions(mm)	Ø20*116	mm
Housing material	Aluminum	

◆ **Warranty : One-year**

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

These specifications are subject to change without notice.



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