Laser Diode Module

LM-5330JGN

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)**

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.

Specification

Optical (@RT)

Items	Values	Unit
Optical output power	25±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	

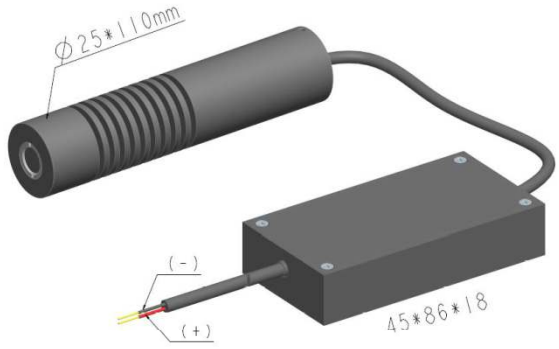
Electrical (@RT)

Items	Values	Unit
Operating voltage	12±5%	DC V
Operating current	180 (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

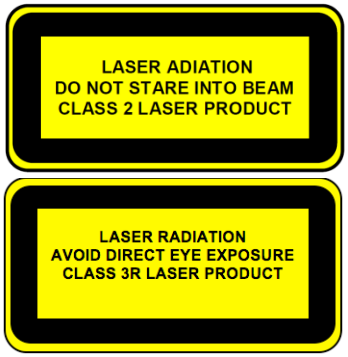
Items	Values	Unit
Weight	248.5±1	g
Dimensions(mm)	Ø25*110	mm
Housing material	Aluminum	

Drawings



*** Range of fan angle**

Symbol	Angle	Line length [mm] (@ distance 1M)	Laser Class
LM-5330JGN3D	30°	500	3R
LM-5330JGN4D	45°	830	3R
LM-5330JGN6D	60°	1160	3R
LM-5330JGN9D	90°	2000	2



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

These specifications are subject to change without notice.

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