LANICS™
LASER ELECTRONICS

Laser Diode Module
LM-6505NDW

Features

- Typical wavelength, 655nm
- Stabilized optical power 2.5mW
- Single supply voltage, 5V DC
- Low power consumption
- Built-in waterproof equipment
- Adjustable beam according to distance
- Attached deflection lens (–)
- Wire length : 30cm(standard) or custom
- A use of near distance
- Laser class : 1M (IEC 60825-1)

◈ Option : Bracket & Power supply.

* The proper beam shape appears by user's exact focusing, because of LD's characteristic.

Description

The NDW series laser diode module combines laser diode technology, quality optics, and sophisticated electronics within a slim and light aluminum anodized housing for variety of applications. This series of modules provides cross laser beam. 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

Optical power(mW)	2.5 (Tc=25°C)
LD power(mW)	5 (Max)
Wavelength(nm)	655 ±5
Focus Beam Wid(mm)	< 0.2 (at 300mm)
Collimated Beam Wid(mm)	<1.5 (at 2m)
Fan Angle (°)	60
Line Pattern	Accurate Straight
Beam Quality	TEM00
Beam intensity Pattern	Gaussian
LD Pin Connection	Case Positive

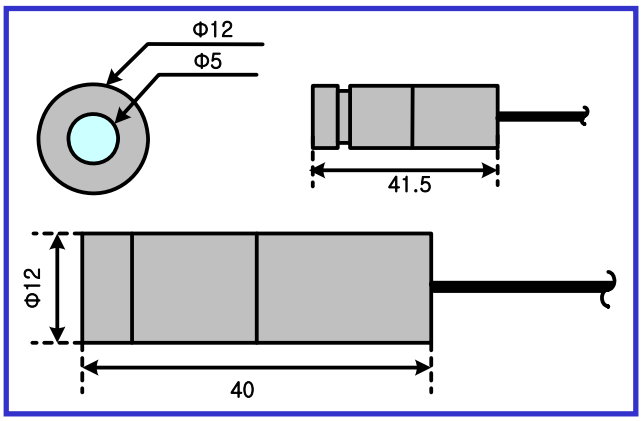
Electrical

Operating voltage(DC V)	5 ± 5%
Operating current(mA)	30(Typ.)
Operating Temp.(°C)	-10 ~ +50
Storage Temp.(°C)	-40 ~ +85

Mechanical

Weight(g)	16 ± 0.5
Dimensions(mm)	12Φ X 40
Operating lifetime(h)	30,000 ~ 50,000(@RT)
Housing material	Aluminum

Drawings



*** Line length by distance**

Distance (mm)	Line length (mm)
100	120
300	350
500	580
1000	1150

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