LANICS™
LASER ELECTRONICS

Laser Diode Module
LM-6301NAP

Features

- Typical wavelength, 637nm
- Adjustable optical power ≤1mW
- Single supply voltage, 5V DC
- Collimated laser beam
- Low power consumption
- Power control function
- Wire length : 30cm(standard) or custom
- Laser class : II

◆ Option : Bracket & Power supply.

Description

The NA 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 a elliptical laser beam in a variety of power and wavelength. 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) (Adjustable)	≤1 (Tc=25°C)
LD power(mW)	5 (Max)
Output Efficiency(%)	20
Wavelength(nm)	637 ±8
Focus Beam Dia(mm)	Φ0.15(at 300mm)
Collimated Beam Dia(mm)	3x2(at 10m)
Collimated Beam Div(mrad)	<0.5
Beam Quality	TEM00, M^2<1.5
Beam intensity Pattern	Gaussian
LD Pin Connection	Case Positive

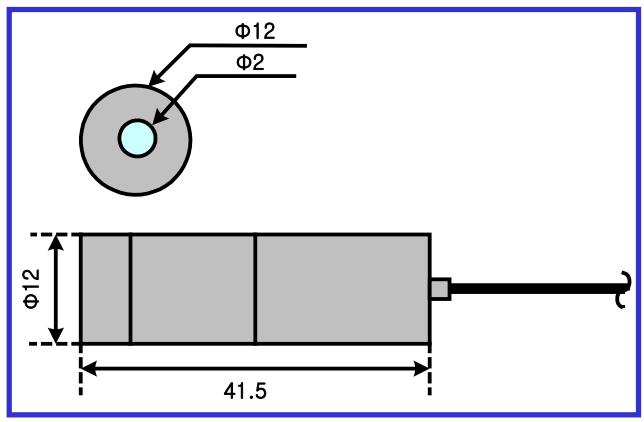
Electrical

Operating voltage(DC V)	5 ± 5%
Operating current(mA)	60(Max)
Operating Temp.(°C)	-10 ~ +40
Storage Temp.(°C)	-40 ~ +85

Mechanical

Weight(g)	12 ± 0.5
Dimensions(mm)	Φ12 X 41.5
Operating lifetime(h)	30,000(@RT)
Housing material	Aluminum

Drawings



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