

Features

- ▶ Typical wavelength, 810nm (**Invisible**)
- ▶ Stabilized optical power 650mW
- ▶ Single supply voltage, 12V DC
- ▶ **APC control**
- ▶ Low power consumption
- ▶ 4Pin connector(standard) or custom
- ▶ **Active temperature control (TE Cooler & Internal Fan)**
- ▶ **Modulation : digital ~300KHz**
- ▶ Laser class : 4 (IEC 60825-1)
- ◆ **Option : Bracket & Power supply.**

Specification

Optical

Optical power(mW)	650 (Tc=25°C)
LD power(mW)	1000 (Max)
Wavelength(nm)	810 ±10
Beam Dia(mm)	5x4
Beam Div(mrad)	<1
Beam Quality	TEM00, M ² <2
Beam intensity Pattern	Gaussian
LD Pin Connection	Case Positive

Electrical

Operating voltage(DC V)	12 ±5 %
Operating current(mA)	2000(Typ.)
Laser drive current(mA)	2000(Max)
Operating Temp.(°C)	-10 ~ +30
Storage Temp.(°C)	-10 ~ +85

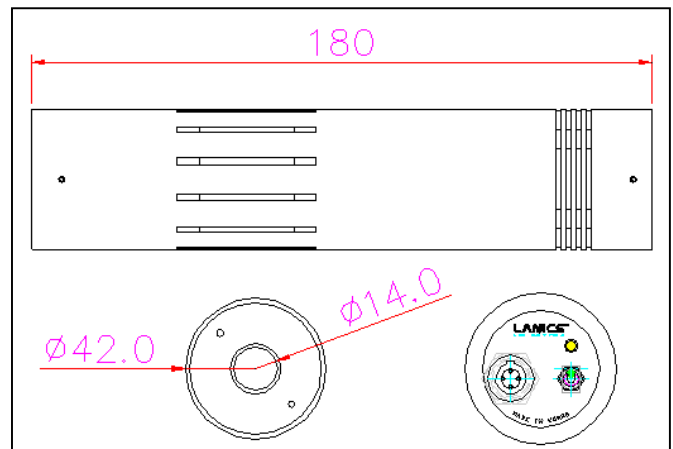
Mechanical

Weight(g)	395 ± 10
Dimensions(mm)	Φ42 X 180
Housing material	Aluminum

Description

The LM-801TDH 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 infrared(808nm) laser beam. Applications include a measurement, positioning, lightening, 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.

Drawings



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