

**Features**

- ▶ Typical wavelength, 785nm
- ▶ Stabilized optical power
- ▶ Single supply voltage, 5V DC
- ▶ Modulation : digital, analog ~300kHz
- ▶ Collimated beam
- ▶ Low power consumption
- ▶ Wire length : 30cm(standard) or custom
- ▶ Laser class : 3R (IEC 60825-1:2007)

**Specification**

● **Optical (@RT)**

Items	Values	Unit
Optical output power	<1	mW
Peak wavelength	785±15	nm
Focused beam dia. (@FWHM)	<0.1 (@300mm)	mm
Collimated beam dia. (@FWHM)	<3x2(@10M)	mm
Collimated beam div.	<0.5	mrad
Beam quality	TEM00, M <sup>2</sup> <1.5	
Beam intensity pattern	Gaussian	

● **Electrical (@RT)**

Items	Values	Unit
Operating voltage	5±5%	DC V
Operating current	35 (typ.)	mA
Drive circuit	APC	
Operating temp.	-10 ~ +50	°C
Storage temp.	-40 ~ +80	°C
LD Pin Connection	Case Ground Case positive	

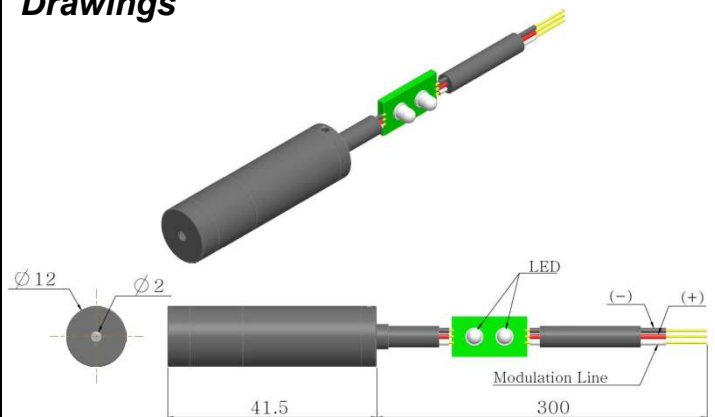
● **Mechanical**

Items	Values	Unit
Weight	15±1	g
Dimensions(mm)	Ø12*41.5	mm
Housing material	Aluminum	

**Description**

The LM-7801NAM 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 infrared(785nm) elliptical laser beam Applications include a measurement, positioning, 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**



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

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