

Features

- ▶ Typical wavelength, 637nm
- ▶ Stabilized optical power <1mW
- ▶ Single supply voltage, 5V DC
- ▶ Line generator
- ▶ **Adjustable line thickness**
- ▶ **Compact Laser**
- ▶ Wire length : 30cm(standard) or custom
- ▶ Laser class : 1M (IEC 60825-1)

◆ **Option : Bracket & Power supply.**

Specification

Optical

Optical power(mW)	< 1 (Tc=25°C)
LD power(mW)	5 (Max)
Wavelength(nm)	637 ±5
Focus Beam Wid(mm)	< (at 300mm)
Collimated Beam Wid(mm)	< (at 10m)
Fan Angle (°)	30, 60, 90
Line Pattern	Accurate Straight
Beam Quality	TEM00
Beam intensity Pattern	Gaussian
LD Pin Connection	

Electrical

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

Mechanical

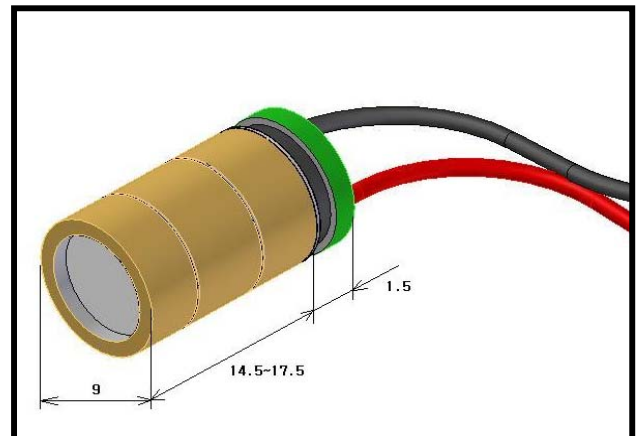
Weight(g)	± 0.5
Dimensions(mm)	
Operating lifetime(h)	10,000 (@RT)
Housing material	Aluminum

Description

The MS series laser diode module combines laser diode technology, lens optics, and sophisticated electronics within a slim and light aluminum anodized housing. Specially, 3 lens structure compensates line beam's curve & unbalance and dot beam's accurate focused point.

This series of modules provides a high-brightness elliptical laser line, and have various wavelengths and optical output power. 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.

Drawings



* Range of fan angle

Symbol	Angle	Line length [mm] (distance 1m)	
		Perpendicular	Inclined at45°
1D	15°	250	500
3D	30°	500	1200
4D	45°	830	2000
6D	60°	1160	3500
9D	90°	2000	About 5000
12D	120°	3400	About 8000

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