

Features

- ▶ Typical wavelength, 658nm
- ▶ Stabilized optical power 45mW
- ▶ Single supply voltage, 5V DC
- ▶ Modulation : digital, analog ~300KHz
- ▶ Line generator
- ▶ Cylindrical glass lens
- ▶ Wire length : 30cm(standard) or custom
- ▶ Laser class : 3R, 3B (IEC 60825-1)
 - ◆ Option : Bracket & Power supply.
 - ◆ Module should be mounted in an appropriate heat sink or bracket.

Specification

● **Optical**

Optical power(mW)	45 (Tc=25°C)
LD power(mW)	80 (Max)
Wavelength(nm)	658 ±4
Collimated Beam Wid(mm)	<3 (at 10m)
Fan Angle (°)	15,30,45,60,90, 120
Line Pattern	Accurate Straight
Beam Quality	TEM00
Beam intensity Pattern	Gaussian
LD Pin Connection	Case Ground

● **Electrical**

Operating voltage(DC V)	5 ± 5%
Operating current(mA)	150 (Typ.)
Drive circuit	APC
Operating Temp.(°C)	-10 ~ +60
Storage Temp.(°C)	-40 ~ +85

● **Mechanical**

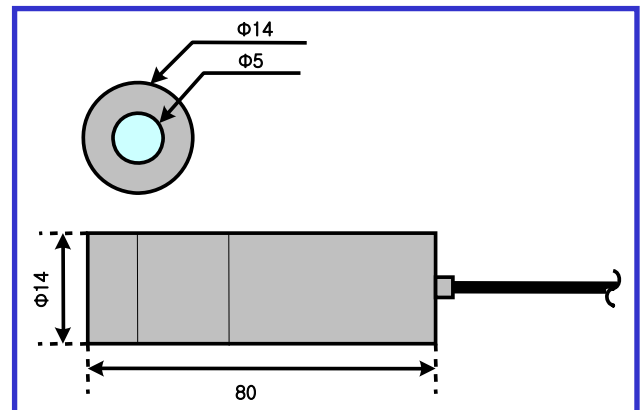
Weight(g)	24 ± 0.5
Dimensions(mm)	14Φ X 80
Operating lifetime(h)	30,000~50,000 (@RT)
Housing material	Aluminum

Description

The MK 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 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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