

Features

- ▶ Typical wavelength, 690nm
- ▶ Stabilized optical power 20mW
- ▶ Single supply voltage, 5V DC
- ▶ **Precisely adjustable focus beam size**
- ▶ **3 elements optic structure**
(2 lens fixed, 1 lens mobile)
- ▶ Wire length : 30cm(standard) or custom
- ▶ Laser class : III b

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

Specification

Optical

Optical power(mW)	20 (Tc=25°C)
LD power(mW)	35 (Max)
Output Efficiency(%)	57
Wavelength(nm)	690±5
Focus Beam Dia(mm)	0.1x0.1(at 300mm)
Collimated Beam Dia(mm)	2.5x2(at 10m)
Collimated Beam Div(mrad)	<0.5
Beam Quality	TEM00, M ² <1.5
Beam intensity Pattern	Gaussian
LD Pin Connection	Case Ground

Electrical

Operating voltage(DC V)	5 ± 5%
Operating current(mA)	110 (Max)
Drive circuit	APC
Operating Temp.(°C)	-10 ~ +60
Storage Temp.(°C)	-40 ~ +85

Mechanical

Weight(g)	24 ± 0.5
Dimensions(mm)	14Φ X 72
Operating lifetime(h)	30,000~50,000 (@RT)
Housing material	Aluminum

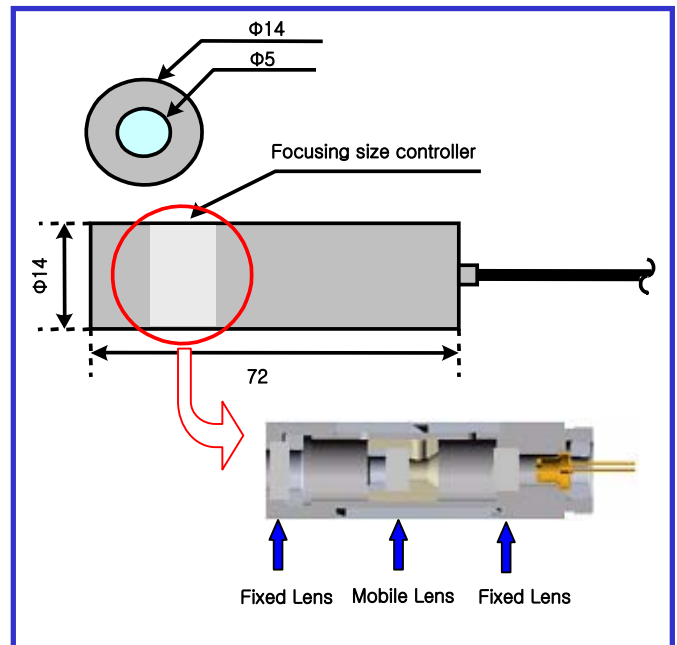
Description

The MD series laser diode module combines laser diode technology, 3 elements lens optics, and Sophisticated electronics within a Slim and light aluminum anodized housing for variety of applications.

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 beam, 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



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