

Features

- ▶ Typical wavelength, 855nm
 - ▶ Stabilized optical power 10mW
 - ▶ Single supply voltage, 5V DC
 - ▶ **Analog Modulation : 100KHz**
 - ▶ **Digital Modulation : 10KHz**
 - ▶ **Body of module : Free from power supply voltage**
 - ▶ Wire length : 30cm(standard) or custom
 - ▶ Laser class : 3B
- ◆ **Option : Bracket & Power supply.**

Specification

Optical

Optical power(mW)	10 (Tc=25°C)
LD power(mW)	20 (Max)
Output Efficiency(%)	50
Wavelength(nm)	855 ±10
Focus Beam Dia(mm)	0.2x0.1(at 300mm)
Collimated Beam Dia(mm)	3x2(at 10m)
Collimated Beam Div(mrad)	<0.5
Beam Quality	TEM00, M ² <1.2
Beam intensity Pattern	Gaussian
LD Pin Connection	Case Positive

Electrical

Operating voltage(DC V)	5
Operating current(mA)	70(Max)
Analog Modulation	100KHz
Digital Modulation	10KHz
Operating Temp.(°C)	-10 ~ +60
Storage Temp.(°C)	-40 ~ +85

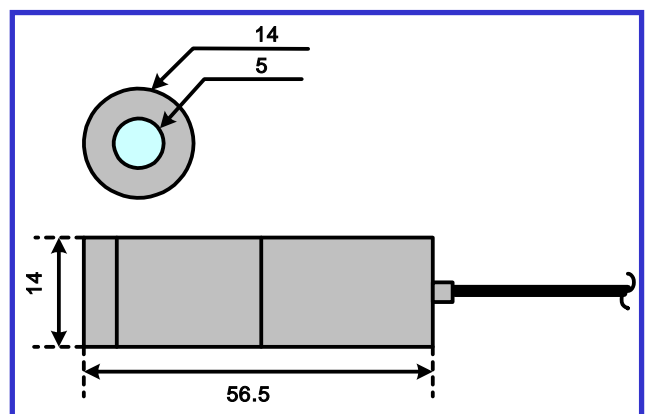
Mechanical

Weight(g)	22 ± 0.5
Dimensions(mm)	Φ14 X 56.5
Operating lifetime(h)	30,000~50,000(@RT)
Housing material	Aluminum

Description

The LM-8520MEH 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 module provides a infrared(855nm) elliptical laser beam. Applications include a measurement, positioning, 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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