

Features

- ▶ Typical wavelength, 780nm
- ▶ Stabilized optical power 3mW
- ▶ Single supply voltage, 5V DC
- ▶ Low power consumption
- ▶ Wire length : 30cm(standard) or custom
- ▶ A use of near distance
- ▶ Laser class : 2

◆ Option : Bracket & Power supply.

Specification

● Optical

Optical power(mW)	3(Tc=25°C)
LD power(mW)	5 (Max)
Wavelength(nm)	780 ±5
Collimated Beam Wid(mm)	<3.5 (at 10m)
Beam Quality	TEM00
Beam intensity Pattern	Gaussian
LD Pin Connection	Case negative

● Electrical

Operating voltage(DC V)	5 ± 5%
Operating current(mA)	60(Max)
Operating Temp.(°C)	-10 ~ +50
Storage Temp.(°C)	-40 ~ +85

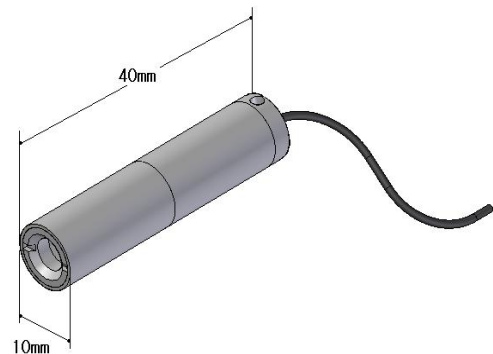
● Mechanical

Weight(g)	13 ± 0.5
Dimensions(mm)	Φ10 X 40
Operating lifetime(h)	30,000 ~ 50,000(@RT)
Housing material	Aluminum

Description

The TDE 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 elliptical laser beam in variety power and wavelengths. 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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