

## Features

- ▶ Typical wavelength, 635nm
- ▶ Stabilized optical power 7mW
- ▶ Single supply voltage, 5V DC
- ▶ **Line generator : Cylindrical glass lens & Aspheric lens**
- ▶ **Beam pattern : Cross ( + )**
- ▶ **Modulation : digital, analog ~300KHz**
- ▶ **Combined Dual Laser Module**
- ▶ **Low power consumption**
- ▶ **Cylindrical glass lens**
- ▶ **Wire length : 30cm(standard) or custom**
- ▶ **Laser class : 1M,2M,3R (IEC 60825-1)**
- ◆ **Option : Bracket & Power supply.**

## Specification

### Optical

Optical power(mW)	7 (Tc=25°C)
LD power(mW)	10 (Max)
Wavelength(nm)	635 ±5
Beam line width(mm)	<1 (at 1m)
Fan Angle ( ° )	90
Line Pattern	Accurate Cross
Beam Quality	TEM00
Beam intensity Pattern	Gaussian
LD Pin Connection	Case Ground

### Electrical

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

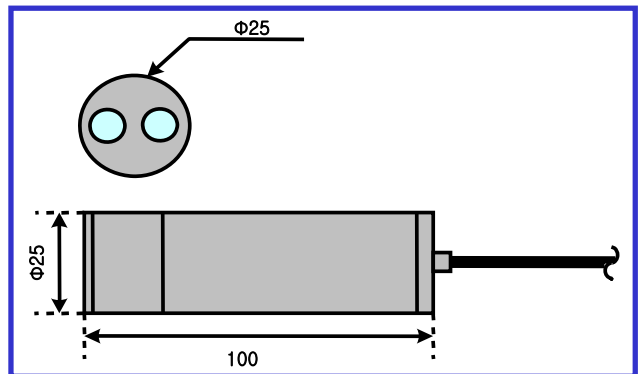
### Mechanical

Weight(g)	72 ±1
Dimensions(mm)	25Φ X100
Operating lifetime(h)	30,000~50,000(@RT)
Housing material	Aluminum

## Description

The JC 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 consist of two laser source(laser diode), and provides cross type(+) beam and a high-brightness laser line. 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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