Features

- Typical wavelength, 655nm
- Stabilized optical power 50mW
- Single supply voltage, 12V 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 : 3R,3B (IEC 60825-1)

◆ Option : Bracket & Power supply.

Specification

Optical

Optical power(mW)	50 (Tc=25°C)
LD power(mW)	80 (Max)
Wavelength(nm)	655 ±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)	12 ± 5%
Operating current(mA)	150(Typ.)
Operating Temp.(°C)	-10 ~ +50
Storage Temp.(°C)	-40 ~ +85

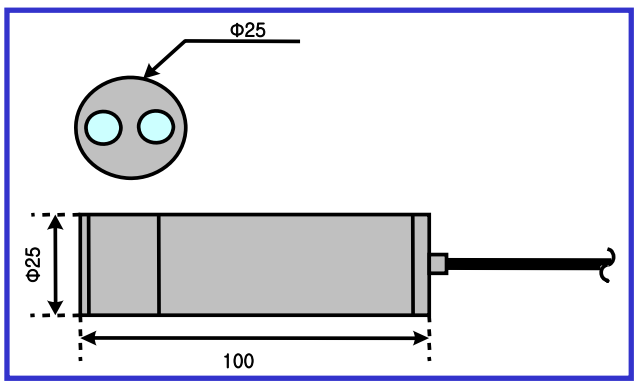
Mechanical

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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