

## 807nm 1W TO-Can

### ML561E10

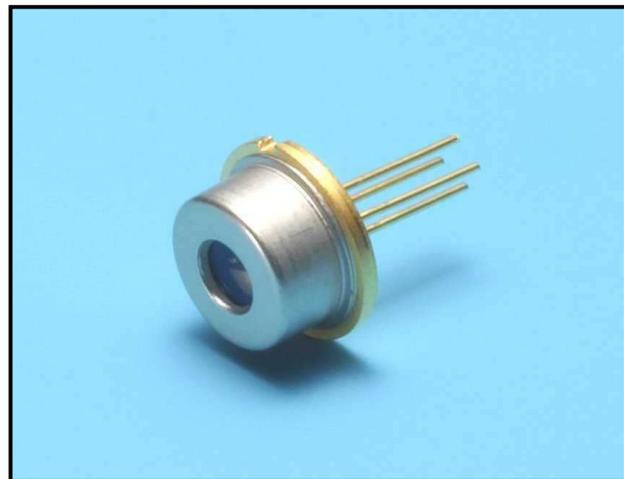
**new**

#### Features

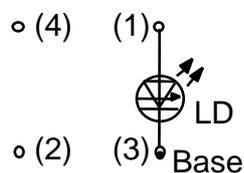
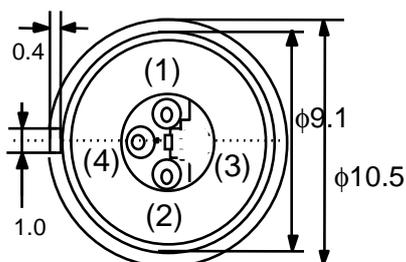
- Can-packing Laser diode (10.5mm $\phi$ )
- High Output Power: 1.0W (CW)
- Highly reliable active layer:  
Al-free MOCVD structure
- Lasing Wavelength: 807 nm

#### Applications

- Low-Power Nd:YAG Pumping
- Direct-Use Application



#### Lead Connection



#### Description

ML5xxx is a high-power, high-efficient semiconductor laser diode which provides a stable oscillation with emission wavelength of 807nm and standard CW light output of 1.0W.

ML5xxx has small internal loss which improves the slope efficiency (reduction of the operating current). Also, ML5xxx has an Al-free single quantum well active layer, which prevents Catastrophic Optical Degradation (COD) even at extremely high output powers. That leads to highly reliable operation.