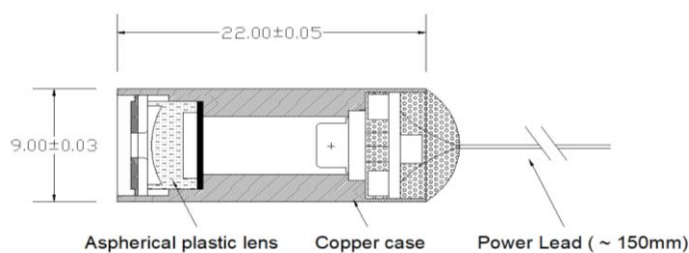


DIODE LASER MODULE

LR serial - Round Spot Type

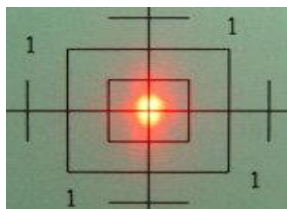


- Auto optical output power control
- Low operating power consumption
- Polarity reverse protected
- Various models available
- Focus distance assigned by customer
- Saving cost diode (T3 type) is available

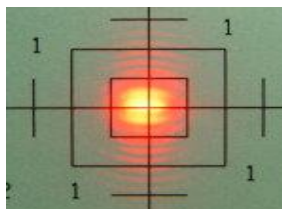
General Specification -

| | |
|-----------------------------|---|
| Max. Optical output Power | ~ 30% of max. diode power (w/o front cover) |
| Optical output Power | Within range +0 to -10% of customer assigned power |
| Wavelength | <i>See available laser diode reference</i> |
| Diode Power | <i>See available laser diode reference</i> |
| Operation Voltage | 2.7 to 5V DC |
| Operation Temperature | -10 °C ~ 40°C |
| Beam Diameter | 3mm |
| Beam Divergence | <1.5mrd |
| Bore Sighting | <15mrd |
| Optics | Aspheric plastic lens |
| Case Material | Copper |
| MTTF (Mean Time To Failure) | 10000 hrs (for standard type), 3000 hrs (for T3 type) |

Spot size at 3 meter (W/C) (unit : cm)



Spot size at 10 meter (W/C) (unit : cm)



Available laser diodes -

| | 5mW | 7mW | 10mW | 20mW | 30mW | 40mW |
|-------|-----|-----|------|------|------|------|
| 635nm | ● | ● | ● | ● | ● | |
| 650nm | ● | ● | ● | ● | ● | |
| 670nm | | ● | ● | | | |
| 680nm | | | | | ● | |
| 780nm | ● | | ● | ● | | |
| 808nm | | | | | | |
| 830nm | | | | | ● | |
| 850nm | ● | | | | ● | |

MTTF > 10,000Hrs