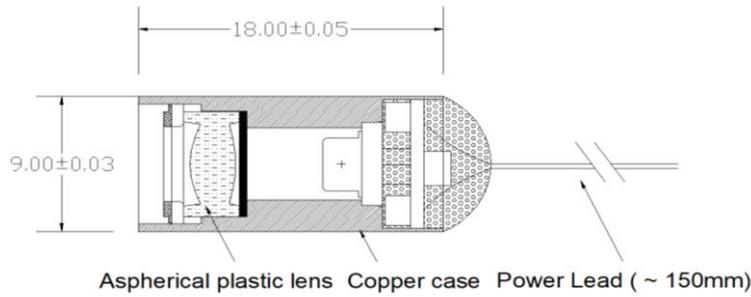


# DIODE LASER MODULE

## LQB serial - Compact size, APC control, the most popular type



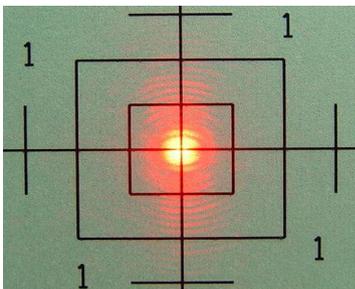
### Feature -

- Auto optical output power control
- Low operating power consumption
- Polarity reverse protected
- Focus adjustable by user
- High temperature diode is available
- Saving cost diode (T3 type) is available
- Case Material : Copper
- Operation Voltage : 2.7 to 5V DC

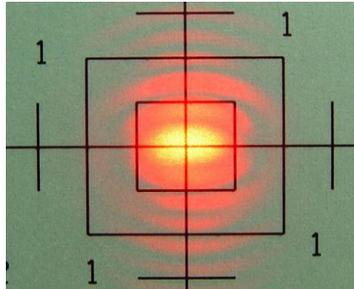
### General Specification -

Max. Optical output Power	
with 1.5mm aperture	~ 70% of max. diode power (w/o front cover)
with 1.0mm aperture	~ 50% of max. diode power (w/ front cover)
Optical output power	Within range +10 to -10% of customer assigned power
Operation Voltage	2.7 to 5V DC
Operation Temperature	-10 °C ~ 40°C
Beam Diameter	3mm or 5mm
Beam Divergence	<1.5mrd
Bore Sighting	<15mrd
Operating Current at 25°C	Refer to laser diode
Optics	Aspherical 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 (unit : cm)



Spot size at 10 meter (unit : cm)



**Available laser diodes -**

	5mW	7mW	10mW	20mW	30mW	40mW	50mW
405nm	●		●	●			●
455nm							●
515nm			●	●	●		●
635nm	●	●	●	●	●		
650nm	●	●	●	●	●		
660nm						●	
670nm		●	●				
680nm					●		
780nm	●		●	●			●
808nm							●
830nm					●	●	
850nm	●				●		●
980nm							●

MTTF > 10,000Hrs