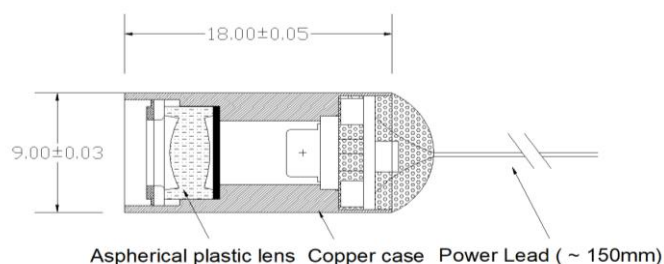


DIODE LASER MODULE

LQA serial

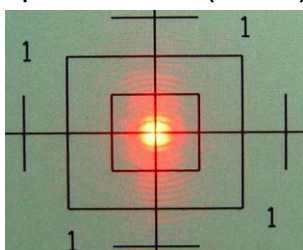


- Auto optical output power control
- Low operating power consumption
- Polarity reverse protected
- Various models available
- Focus distance assigned by customer
- Saving cost diode (T3 type) and high temperature diode is available

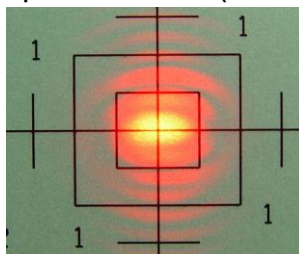
General Specification -

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
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
635nm	●	●	●	●	●
650nm	●	●	●	●	●
680nm					●
780nm	●		●	●	
830nm					●
850nm	●				●

MTTF > 10,000Hrs