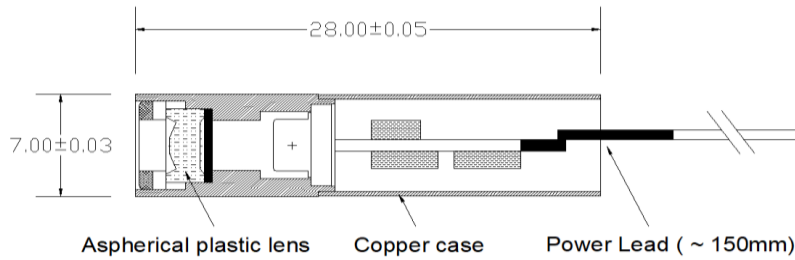


DIODE LASER MODULE

LS serial - Small Diameter Body



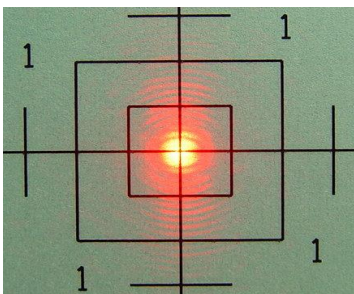
Feature -

- 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

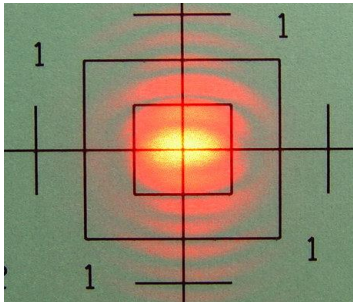
General Specification -

Max. Optical output Power	~ 50% of max. diode power
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	2.7V~5V
Operation Temperature	-10 °C ~ 40°C
Beam Diameter	3mm
Beam Divergence	<1.5mrad
Bore Sighting	<15mrad
Operating Current at 25°C	Refer to laser diode (-10 to 40° C for general type)
Collimating lens	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 (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