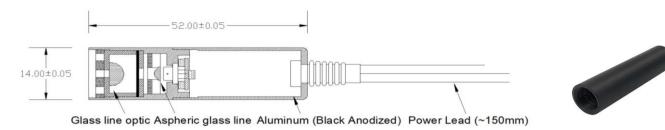


DIODE LASER MODULE

LAL serial - Fine Line Generator



Feature -

- Auto optical output power control
- Low operating power consumption
- Polarity reverse protected
- High temperature operation is optional
- Focus adjustable by user
- Optical output assigned by customer
- Saving cost diode (T3 type) is available
- Case Material: Black Anodized (Aluminum)
- Line width 1mm between 500mm distance
- Collimating lens / Line optic : Cylinder Optics
- Operation Voltage: 3V/5V/12V/24V

General Specification -

Max. Optical output Power

Optical output Power

Wavelength

Diode Power

Operation Voltage

Operation Temperature

Line Width

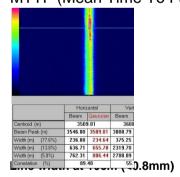
Collimating lens

Line Optic

Line width

Case Material

MTTF (Mean Time To Failure)



See available fna angle reference

Within range +0 to -10% of customer assigned power

See available laser diode reference

See available laser diode reference

3V/5V/12V/24V DC +-10%

-10 °C ~ 40°C

see photo

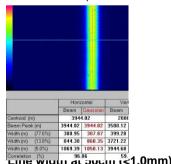
Aspherical plastic Lens

Cylinder glass lens

1mm between 500mm distance

Black Anodized (Aluminum)

10000 hrs (for standard type), 3000 hrs (for T3 type)



Available fan angle vs. optical efficiency

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Fan angle (degree)	10	15	20	30	40	50
Output efficiency	50%	75%	50%	70%	70%	70%



Available laser diodes -

			1 40 144	00 147		10 144	14/		400 144
	5mW	7mW	10mW	20mW	30mW	40mW	50mW	90mW	100mW up
405nm									
455nm									
488nm									
505nm									
515nm									•
635nm									•
650nm	•		•						•
660nm									•
670nm			•						
680nm									
780nm	•		•					•	•
808nm									•
830nm					•	•			•
850nm	•				•			•	•
940nm									•
980nm									

MTTF > 10,000Hrs