



Red Line Laser Module

<1mW, <5mW, <10mW

Red laser, line beam, PCB sealed with epoxy

Model: LDM6XX-A-B-C-G-2-1

** A – power(mW), B – diameter(mm), C – length(mm)*

Features:

- Red line laser
- Auto power control (APC) driver. Laser output power keeps steady.
- PCB sealed with epoxy, best shock resistance.
- Packaged in a single housing, best protection.
- Compact size.
- More wavelength with this design: 650nm, 850nm

Specifications:

No	Parameters	Value
1	Peak Wavelength	635nm, 650nm
2	Operation Voltage	3-6V
3	Operation Current	Upon laser diode
4	Output Power	<1mW, <3mW, <7mW
5	Collimating Lens	Glass
6	Divergence (Full angle) *	<0.5mrad, <1mrad or customized
7	Line Fan Angle	>3°
8	Operation Temperature **	-10°C ~ +50°C
9	Storage Temperature	-40°C ~ +85°C
10	Dimension	Diameter: >9mm Length: >21mm
11	Housing	Brass or Anodized Aluminum
12	Mean time to failure(MTTF) 25 °C	10000hrs

* Smaller divergence means thinner line.

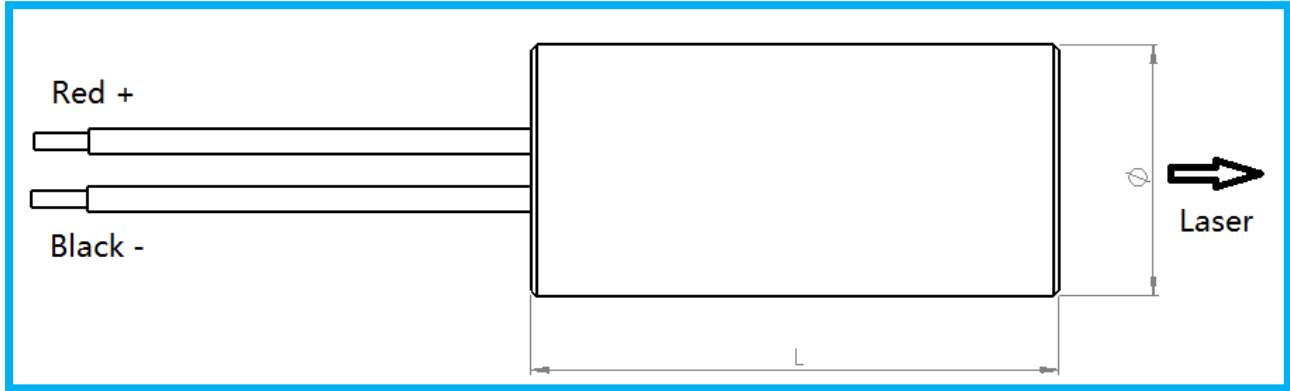
** 60 °C operation temperature product is available.



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Standard Products:

Part Number	Description
LDM635-5-9-21-G-2-10	635nm, line laser, <5mW, Ø9x21mm, Glass lens
LDM650-5-9-21-G-2-10	650nm, line laser, <5mW, Ø9x21mm, Glass lens

Cautions

- Do not operate the device above the maximum rating condition, even momentarily. It may cause unexpected permanent damage to the device
- Semiconductor laser device is very sensitive to electrostatic discharge. High voltage spike current may change the characteristics of the device, or malfunction at any time during its service period. Therefore, proper measures for preventing electrostatic discharge are strongly recommended.



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