



# 635nm, 650nm Laser Module

<1mW, <5mW, <10mW

*Low Cost, Red laser, Spot beam*

## Model: LDM6XX-A-B-C-D-1-4

\* A - power(mW), B – Diameter(mm), C - length(mm), D - lens material(P or G)

### Features:

- Red dot laser
- Auto current control (APC) driver.
- Low Cost.
- Full metal jacket protection and PCB sealed by epoxy.
- Robust structure, shock resistance.
- Function option: APC, ACC, TTL, Power adjusted by input signal.
- Available wavelength: 635nm, 650nm, 830nm, 850nm

### Specifications:

No	Parameters	Value
1	Peak Wavelength	635nm, 650nm
2	Operation Voltage	2.6-6V
3	Operation Current	<40mA @ 635nm <25mA @ 650nm
4	Output Power	<1mW, <5mW, <10mW
5	Collimating Lens	Plastic or Glass
6	Divergence (Full angle)	<0.5mrad, <1mrad or customized
7	Spot Size at 10m	5mm, 10mm, or customized
8	Operation Temperature *	-10 °C ~ +40 °C
9	Storage Temperature	-40 °C ~ +85 °C
10	Dimension	Diameter: 9mm, 10mm or customized
11	Housing	Brass or Anodized Aluminum
12	Mean time to failure(MTTF) 25 °C	10000hrs

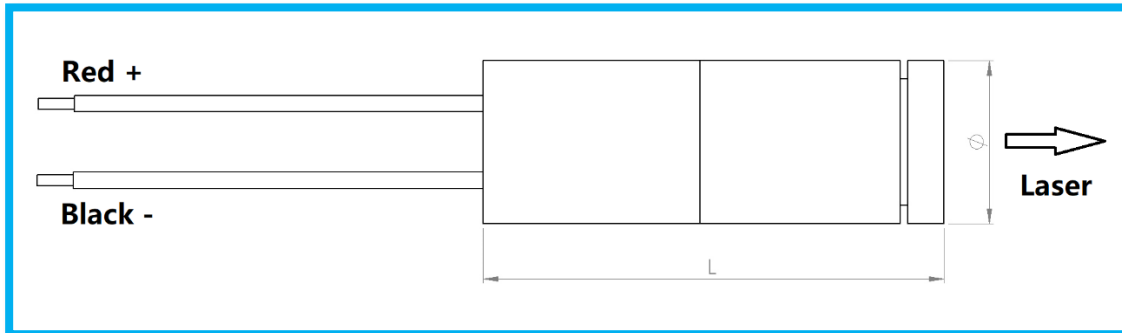
\* 60 °C operation temperature product is available.



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## Standard Products:

Part Number	Description
LDM635-A-9-24-P-1-4	635nm, spot laser, A<1, 5, 10mW, $\Phi$ 9x24mm, Aspherical Plastic lens
LDM635-A-9-26-G-1-4	635nm, spot laser, A<1, 5, 10mW, $\Phi$ 9x26mm, Aspherical Glass lens
LDM635-A-9-28-G-1-4	635nm, spot laser, A<1, 5, 10mW, $\Phi$ 9x28mm, Spherical Glass lens
LDM650-A-9-24-P-1-4	650nm, spot laser, A<1, 5, 10mW, $\Phi$ 9x24mm, Aspherical Plastic lens
LDM650-A-9-26-G-1-4	650nm, spot laser, A<1, 5, 10mW, $\Phi$ 9x26mm, Aspherical Glass lens
LDM650-A-9-28-G-1-4	650nm, spot laser, A<1, 5, 10mW, $\Phi$ 9x28mm, Spherical 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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