



# 635nm Laser Module

<1mW, <5mW, <10mW, <20mW

Red laser, Spot beam, Long Focus Adjustable

**Model: LDM635-A-12-V-G-1A-8**

\* A – power(mW)

## Features:

- Red dot laser
- Auto power control (APC) driver. Laser output power keeps steady.
- Focus adjustable from 40mm ~  $\infty$ , or customized
- More wavelength with this design: All wavelength available

## Specifications:

No	Parameters	Value
1	Peak Wavelength	635nm
2	Operation Voltage	3-6V
3	Operation Current	<35mA @ <1mW <40mA @ <3mW <65mA @ <7mW <85mA @ <20mW
4	Output Power	<1mW, <3mW, <7mW, <20mW
5	Collimating Lens	Glass
6	Focus Range	40mm ~ $\infty$ or customized
7	Operation Temperature *	-10 °C ~ +50 °C
8	Storage Temperature	-40 °C ~ +85 °C
9	Dimension	Diameter: 12mm Length focusing at 249mm: 35mm Length focusing at $\infty$ : 33mm
10	Housing	Brass or Anodized Aluminum
11	Mean time to failure(MTTF) 25 °C	5000hrs, 10000hrs

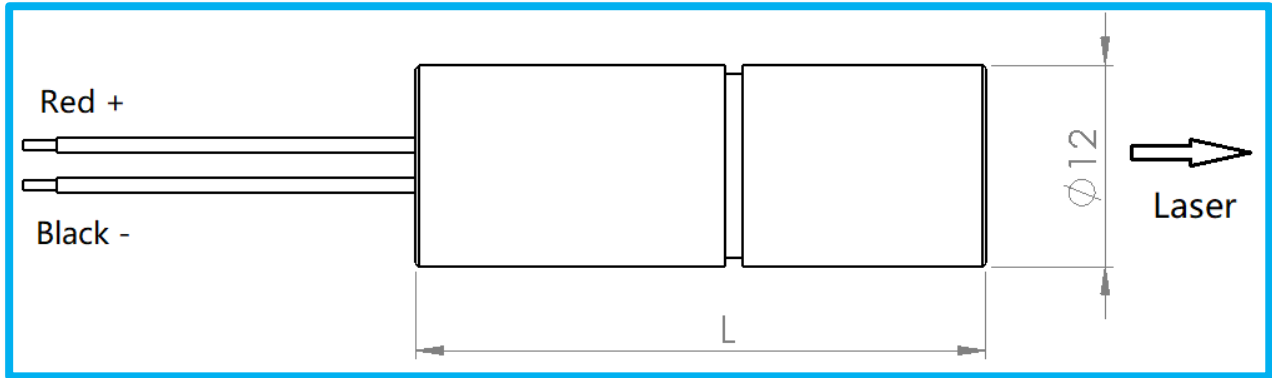
\* 60 °C operation temperature product is available.



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## Standard Products:

Part Number	Description
LDM635-A-12-V-G-1A-8	635nm, Spot Laser, <5mW, Ø12mm, Glass lens, Focus Adjustable
LDM635-A-12-V-G-1A-8	635nm, Spot Laser, <20mW, Ø12mm, Glass lens, Focus Adjustable

## 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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