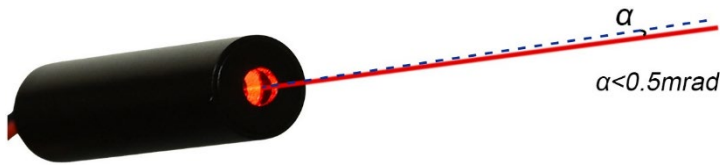




Alignment Laser Module

Small Off-Boresight Angle



Model: LDMXXX-A-B-C-G-1-AX

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

Features:

- Off-Boresight angle: $< \pm 0.75 \text{ mrad}$.
- Free of adjustment after fixing laser module.
- Auto power control (APC) driver. Laser output power keeps steady.
- Full spectrum: 405nm~1610nm.

Specifications:

No.	Parameters	Value
1	Peak Wavelength	405~1610nm
2	Operation Voltage	3-12V
3	Output Power	<1mW, <5mW or customized
4	Collimating Lens	Glass aspherical lens
5	Divergence (Full angle) *	<0.5mrad, <1mrad or customized
6	Spot Size @ 10m	5mm, 10mm, or customized
7	Off-Boresight Angle	$< \pm 0.75 \text{ mrad}$
8	Diameter of Off-Boresight Circle @ 10m	<15mm
9	Operation Temperature	$-10 \text{ }^{\circ}\text{C} \sim +60 \text{ }^{\circ}\text{C}$
10	Storage Temperature	$-40 \text{ }^{\circ}\text{C} \sim +85 \text{ }^{\circ}\text{C}$
11	Dimension **	Diameter: $\geq 9 \text{ mm}$
12	Housing	Brass or Anodized Aluminum
13	Mean time to failure(MTTF) 25 $^{\circ}\text{C}$	10000hrs

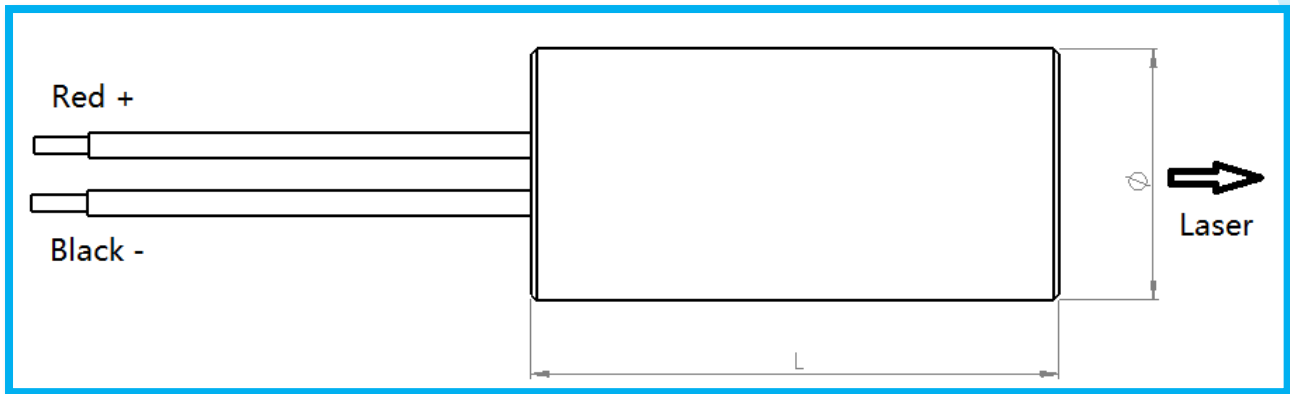
* Smaller divergence means smaller spot size, longer laser module length.

** $\Phi 9 \times 39 \text{ mm}$ laser module is in stock for quick delivery.



Alignment Laser Module

Small Off-Boresight Angle



Standard Products:

Part Number	Description
LDM520-1-9-39-G-1-A6	520nm, spot laser, <1mW, $\Phi 9 \times 39$ mm, glass lens
LDM520-5-9-39-G-1-A6	520nm, spot laser, <5mW, $\Phi 9 \times 39$ mm, glass lens
LDM635-1-9-39-G-1-A0	635nm, spot laser, <1mW, $\Phi 9 \times 39$ mm, glass lens
LDM635-3-9-39-G-1-A0	635nm, spot laser, <3mW, $\Phi 9 \times 39$ mm, 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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