Φ7.6 520nm Laser Module

<1mW, <5mW, <30mW, <50mW

Green laser, Compact size, Spot beam

Model: LDM520-A-7R6-C-D-1-31

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

Features:

- Green dot laser
- Auto power control (APC) driver. Laser output power keeps steady.
- Ultra compact size.
- Full metal jacket protection
- More wavelength with this design: 405nm, 450nm, 515nm

Specifications:

No	Parameters	Value
1	Peak Wavelength	520nm
2	Operation Voltage	3-5V, 7~12V
3	Operation Current	<250mA @ <5mW, 3~5V <100mA @ <5mW, 7~12V
4	Output Power	<1mW, <5mW, <7mW, <30mW, <50mW
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 **	-20 ℃ ~ +60 ℃
9	Storage Temperature	-40 ℃ ~ +85 ℃
10	Dimension ***	Diameter: 7.6mm Length using glass lens: >29mm Length using plastic lens: >25mm
11	Housing	Brass or Anodized Aluminum
12	Mean time to failure(MTTF) 25 ℃	10000hrs

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

*** Φ7.6x29mm(glass lens) laser module is on shelf for quick delivery*

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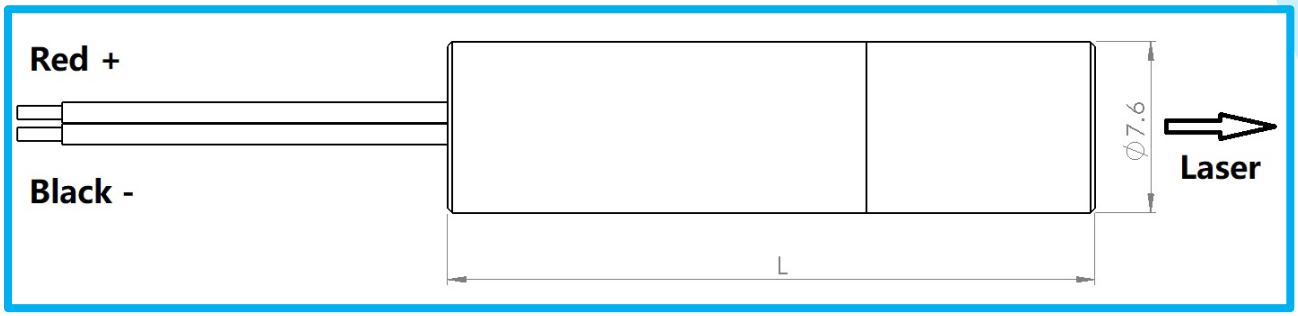

Standard Products:

Part Number	Description
LDM520-A-7R6-29-G-1-31	520nm, spot laser, A<10mW, *Φ7.6*x29mm, 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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