



450nm, Focus Adjustable Laser Module

<1mW, <5mW, <80mW

Blue laser, Spot beam, Focus Adjustable

Model: 450-A-9-40-G-1A-91

* A – power(mW)

Features:

- Blue dot laser
- Auto power control (APC) driver. Laser output power keeps steady.
- Focus adjustable
- More wavelength with this design: 405~1600nm

Specifications:

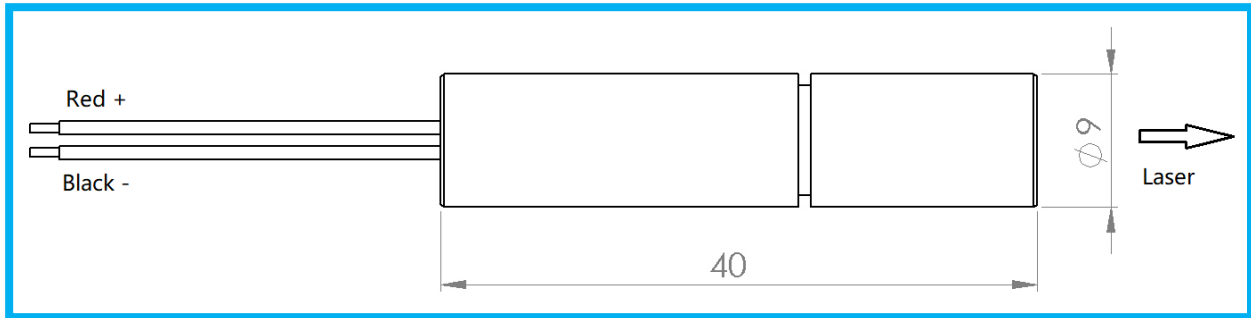
| No | Parameters | Value |
|----|---------------------------------|---|
| 1 | Peak Wavelength | 450nm |
| 2 | Operation Voltage | 3-5V, 7~9V, 12V |
| 3 | Operation Current | <250mA @ <5mW, 3~5V <100mA @ <5mW, 7~12V |
| 4 | Output Power | <1mW, <5mW, <80mW |
| 5 | Collimating Lens | Glass |
| 6 | Focus Range | 1m ~ ∞ or customized |
| 7 | Operation Temperature * | -10 ℃ ~ +70 ℃ |
| 8 | Storage Temperature | -40 ℃ ~ +85 ℃ |
| 9 | Dimension | Φ9x40mm |
| 10 | Housing | Brass or Anodized Aluminum |
| 11 | Mean time to failure(MTTF) 25 ℃ | 10000hrs |



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Standard Products:

| Part Number | Description |
|-----------------------|---|
| LDM450-A-9-40-G-1A-91 | 450nm, Spot Laser, Φ 9mm, 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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