

445nm~450nm & 635nm Dual-Wavelength Fiber Coupled Laser Diode Module | Red & Blue
1W@445nm & 700W@635nm LD | With PD | With TEC Cooling | HHL Package | <400um Fiber Core
Wavespectrum Laser Group www.wavespectrum-laser.com

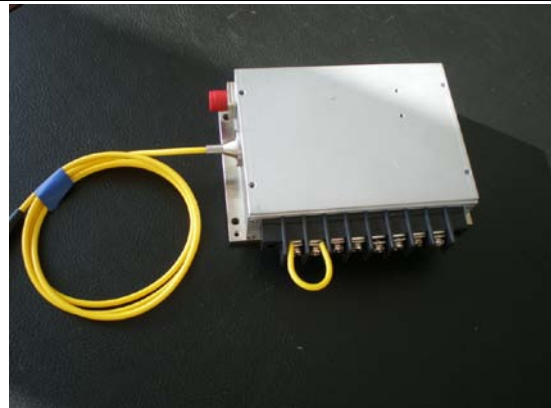
| PARAMETER | SYMBOL | VALUE | UNIT |
|--------------------------------------|-----------|-----------|------|
| Reverse Voltage | V_r | 2.0 | V |
| Operating Temperature | T_{op} | +10 ~ +30 | °C |
| Storage Temperature | T_{stg} | -20 ~ +80 | °C |
| Lead soldering temperature (10 sec.) | T_{is} | 260 | °C |

Features:

- 445nm & 635nm Dual-Wavelength Output
- TEC Cooling Optional
- Photodiodes (PD) Optional
- Customized Output Power

Applications:

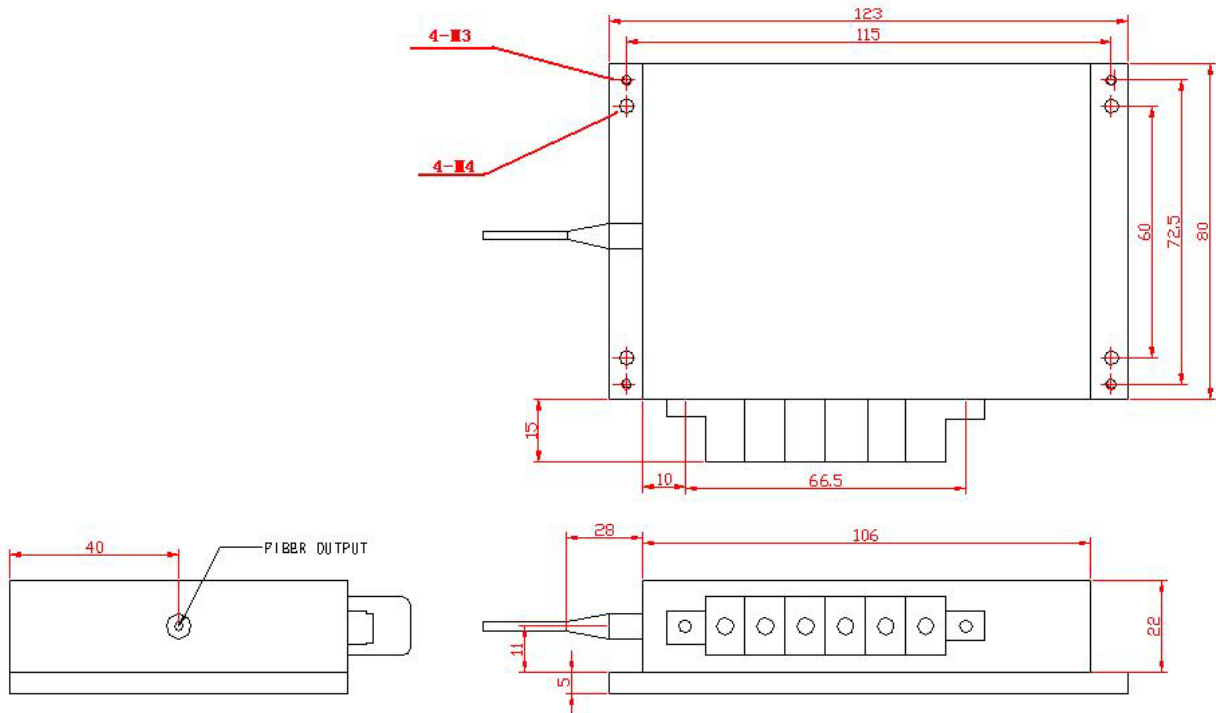
- Medical laser treatment
- Laser Show
- Others



| Specifications | WSLB-445/001-635/700m-H | |
|--------------------------------------|-------------------------|--------------|
| | Wavelength-1 | Wavelength-2 |
| Center Wavelength@25°C | 445nm | 635nm |
| Spectral Width (FWHM) | 2nm | 2nm |
| Output Power (CW) | 1000mW | 700mW |
| Recommended Operating Temperature | 18°C | |
| Threshold Current (Typ.) | 0.30A | 0.75A |
| Operating Current (Typ.) | 1.3A | 1.3A |
| Operating Voltage | 5.0V | 4.3V |
| TEC Cooling | Optional | |
| Thermistor (10K) | Optional | |
| Fiber Core Diameter | <300um | |
| Built-in Photodiodes | Optional | |
| Stainless Steel Armored Fiber Jacket | Optional | |
| Fiber Length | 100cm | |
| Connector Type | FC or SMA905 | |
| Package | P2 | |



Package View



| PIN | 1 | 2 | 3 | 4 | 5 | 6 |
|-----|---------|---------|---------|---------|----|----|
| | LD1 (+) | LD1 (-) | LD2 (+) | LD2 (-) | NC | NC |


Wavespectrum offer 445nm & 635nm(or 650nm) Dual-Wavelength Laser Module.

- Customized Output Power for each Wavelength (Such as 2W@445nm & 2w@635nm)
- Built-in Photodiodes and TEC Cooler Optional
- Tri-Wavelength Solution Optional (Such as 1W@445nm & 1W@635nm & 4W@808nm)

Contact us with info@wavespectrum-laser.com


Caution

On operation, if optical connectors are unterminated, modules can emit invisible laser radiation. Radiation emitted by laser devices can be dangerous to the eyes. Avoided eye or skin exposure to direct or scattered radiation



DANGER

INVISIBLE LASER RADIATION
AVOID DIRECT EXPOSURE TO BEAM



Invisible Laser Radiation
Avoid Direct Exposure to Beam
Class 2b Laser Product

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