

447 nm Blue Laser Diode MDL-III-447

Model #: MDL-F-447

Description: Violet diode laser module at 447 nm MDL-F-447 features ultra compact, long lifetime, low cost and easy operating.



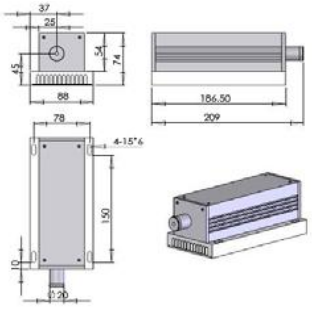
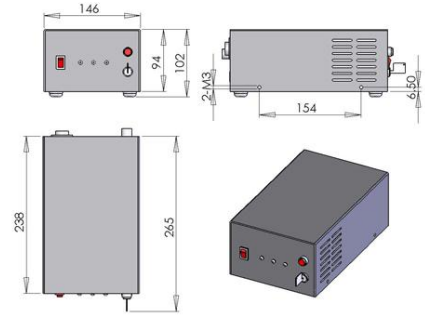


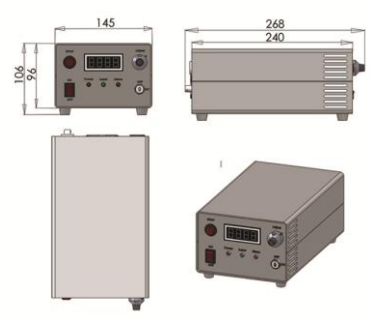
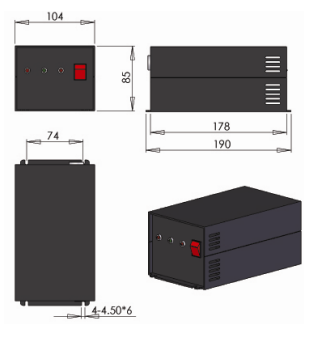
Application: Scientific research, laser pointing, show and RGB mixed laser systems applications, etc.

Specifications

| | |
|---|--|
| Wavelength (nm) | 447 ± 5 |
| Output Power (mW) | >1000, 1500, ..., 2000 |
| Transverse Mode | Near TEM ₀₀ |
| Operating Mode | CW |
| Power Stability (rms, over 4 hours) | <1%, 3%, <5% |
| Warm-up Time (minutes) | <5 |
| M ² Factor | <5 |
| Beam Divergence, half Angle (mrad) | 0.7 x 0.1 (v/h) |
| Beam Diameter at the Aperture (mm) | ~ 2.7 x 2.7 (1/e ²)/1.7 x 1.7 (FWHM) |
| Beam Height from Base Plate (mm) | 45 |
| Pointing Stability after Warm-up (mrad) | <0.05 |
| Operating Temperature (C°) | 10 ~ 35 |
| Polarization Orientation | Vertical or horizontal |
| Power Supply (90-264VAC or 5V DC) | PSU-H-LED, PSU-H-FDA or PSU-H-OEM-S |
| Modulation | TTL on/off (Optional: TTL or analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz modulation) |
| Expected Lifetime (hours) | 10000 |
| Warranty Period | 1 year |

Ordering Information: MDL-III-447-A-B-C

| A: maximum output power | B: power stability | C: power driver |
|-------------------------|--------------------|-----------------|
| 1500 - 1500 mW | 1 – 1% | 1 - PSU-H-FDA |
| 2000 - 2000 mW | 3 – 3% | 2 - PSU-H-LED |
| | 5 – 5% | 3 – PSU-H-OEM-S |
| X - other | | |

| | |
|---|---|
| <p style="text-align: center;">MDL-F-447</p>  <p style="text-align: center;">209(L)×88(W)×74(H) mm³, 1.6kg</p> | <p style="text-align: center;">PSU-H-FDA</p>  <p style="text-align: center;">238(L)×146(W)×102(H) mm³, 2.6kg</p> |
|  |  |
| <p style="text-align: center;">PSU-H-LED</p>  <p style="text-align: center;">268 (L) ×145(W) ×106 (H) mm³, 2.3kg</p> | <p style="text-align: center;">PSU-H-OEM-S</p>  <p style="text-align: center;">190(L)×104(W) ×85(H) mm, 1.3 kg</p> |
|  |  |

