

MDL-III-442/1~50mW

BLUE DIODE LASER AT 442nm





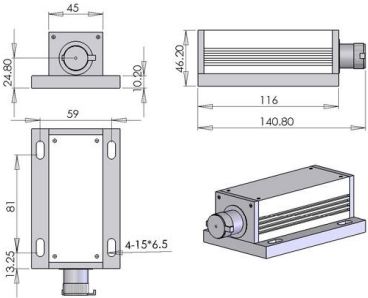
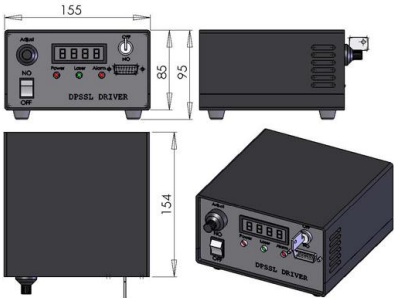
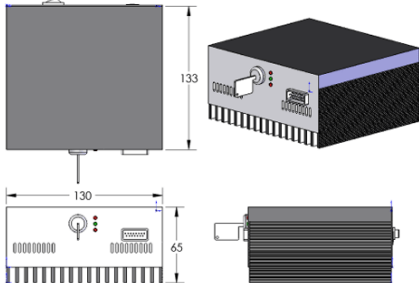
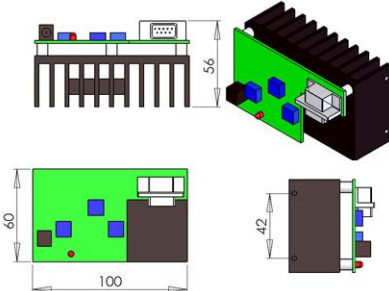
Diode laser module at 442 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

| | | | |
|---|---|-------------|-------------|
| Wavelength (nm) | 442±5 | | |
| Output power (mW) | >1, 2, 3, ...,50 | | |
| Transverse mode | Near TEM ₀₀ | | |
| Operating mode | CW | | |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% | | |
| Warm-up time (minutes) | <5 | | |
| Beam divergence, full angle (mrad) | <1.0 | | |
| Beam diameter at the aperture (mm) | <3.5 | | |
| Beam height from base plate (mm) | 24.8 | | |
| Pointing stability after warm-up (mrad) | <0.05 | | |
| Operating temperature (°C) | 10~35 | | |
| Power supply (90-264VAC) | PSU-III-LED | PSU-III-FDA | PSU-III-OEM |
| TTL modulation/ Analog modulation | Optional, 2kHz or higher (others on request, up to 10kHz) | | |
| Expected lifetime (hours) | 10000 | | |
| Warranty period | 1 year | | |



| MxL-III-442 | PSU-III-LED | PSU-III-FDA | PSU-III-OEM |
|---|--|---|--|
|  <p>140. 8(L)×73(W) ×46. 2(H) mm³, 0.6kg</p> |  <p>154 (L) ×155(W) ×95 (H) mm³, 1.5kg</p> |  <p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p> |  <p>100 (L) ×60(W) ×56 (H) mm³, 0.2kg</p> |
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