

MBL-III-457/1~10mW

LD PUMPED ALL-SOLID-STATE BLUE LASER AT 457nm





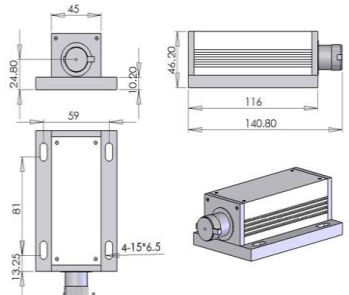
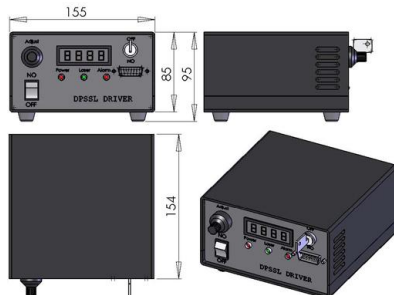
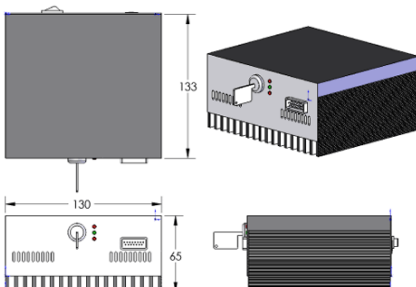
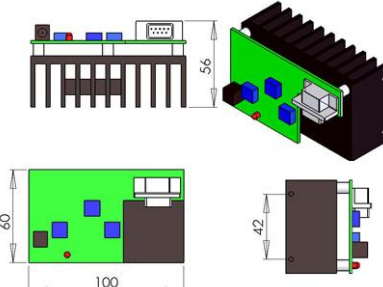
All solid state laser at different wavelength of 457nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



SPECIFICATIONS

| | | | |
|---|-------------------------|-------------|-------------|
| Wavelength (nm) | 457±1 | | |
| Output power (mW) | >1, 2, ..., 10 | | |
| Transverse mode | Near TEM ₀₀ | | |
| Operating mode | CW | | |
| Power stability (rms, over 4 hours) | <5%, <10% | | |
| Warm-up time (minutes) | <10 | | |
| M ² factor | <1.2 | | |
| Beam divergence, full angle (mrad) | <1.5 | | |
| Beam diameter at the aperture (mm) | ~2.0 | | |
| Beam height from base plate (mm) | 24.8 | | |
| Polarization ratio | >100:1 (0 or 90 degree) | | |
| Pointing stability after warm-up (mrad) | <0.05 | | |
| Operating temperature (°C) | 10~35 | | |
| Power supply (90-264VAC or 5VDC) | PSU-III-LED | PSU-III-FDA | PSU-III-OEM |
| Expected lifetime (hours) | 10000 | | |
| Warranty | 1 year | | |



| MxL-III-457 | 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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