

MLL-III-1112/1~100mW

### LOW NOISE INFRARED LASER AT 1112nm




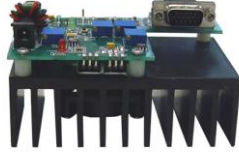
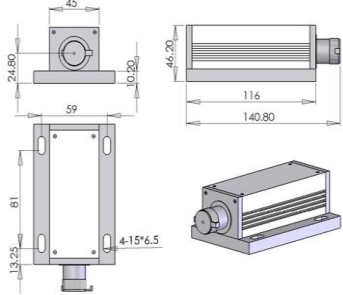
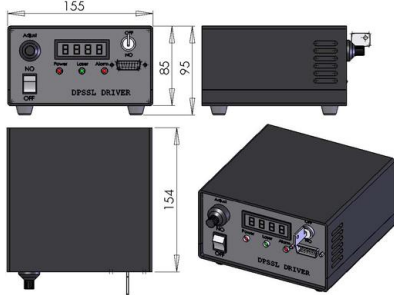
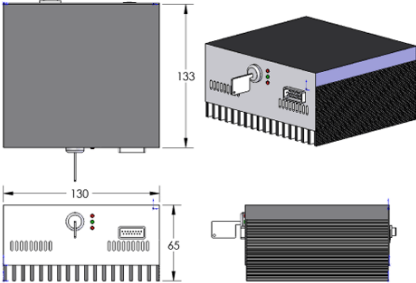
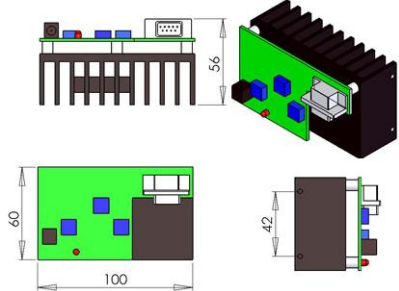
All solid state low noise infrared laser at 1112 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis, etc.



### SPECIFICATIONS

|   |                   |             |             |
|---|-------------------|-------------|-------------|
| Wavelength (nm)                         | 1112±3            |             |             |
| Output power (mW)                       | >1, 5, 10...100   |             |             |
| Transverse mode                         | TEM <sub>00</sub> |             |             |
| Operating mode                          | CW                |             |             |
| Power stability (rms, over 4 hours)     | <3%, <5%          |             |             |
| Noise of amplitude(rms,1~20MHz)         | <1%               |             |             |
| Warm-up time (minutes)                  | <10               |             |             |
| M <sup>2</sup> factor                   | <1.5              |             |             |
| Beam divergence, full angle (mrad)      | <1.5              |             |             |
| Beam diameter at the aperture (mm)      | ~2.0              |             |             |
| 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 or 5VDC)        | PSU-III-LED       | PSU-III-FDA | PSU-III-OEM |
| Expected lifetime (hours)               | 10000             |             |             |
| Warranty                                | 1 year            |             |             |



| MxL-III-1112  | PSU-III-LED   | PSU-III-FDA   | PSU-III-OEM  |
|---|---|---|--|
|  <p>140. 8(L)×73(W) ×46. 2(H) mm<sup>3</sup>, 0.6kg</p> |  <p>154 (L) ×155(W) ×95 (H) mm<sup>3</sup>, 1.5kg</p> |  <p>133 (L) ×130(W) ×65 (H) mm<sup>3</sup>, 1.2kg</p> |  <p>100 (L) ×60(W) ×56 (H) mm<sup>3</sup>, 0.2kg</p> |
|    |   |    |   |