



**RLTMGL-523.5 / 1~100 mW**

## LD PUMPED ALL-SOLID-STATE GREEN LASER AT 523.5nm

All solid state laser at 523.5nm 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



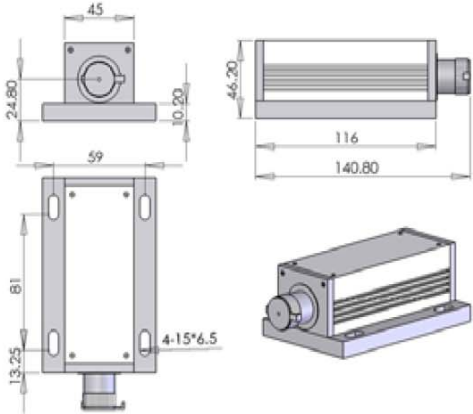
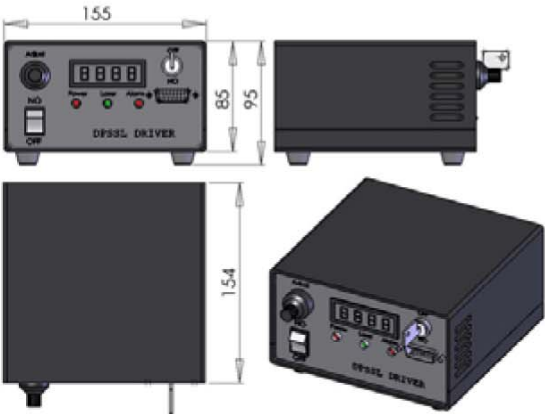

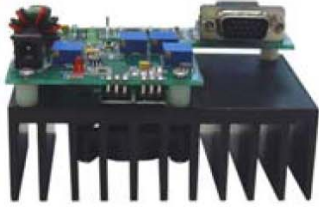
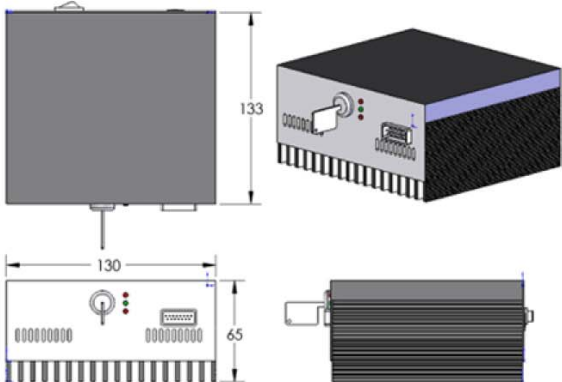
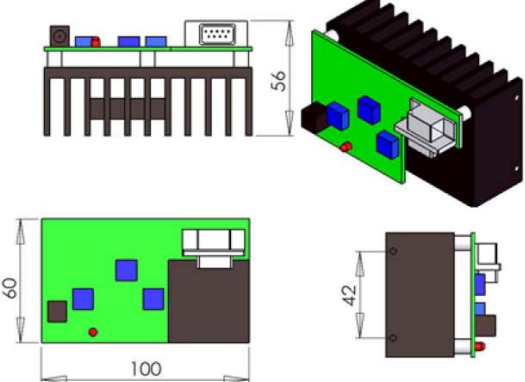
|   |                          |         |         |
|---|--------------------------|---------|---------|
| Wavelength (nm)                         | 523.5 ± 1                |         |         |
| Output power (mW)                       | >1, 5, 10, 20, ... , 100 |         |         |
| Transverse mode                         | Near TEM <sub>00</sub>   |         |         |
| Operating mode                          | CW                       |         |         |
| Power stability (rms, over 4 hours)     | <5%, <10%                |         |         |
| Warm-up time (minutes)                  | <10                      |         |         |
| M <sup>2</sup> 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-LED                  | PSU-FDA | PSU-OEM |
| Expected lifetime (hours)               | 10000                    |         |         |
| Warranty                                | 1 year                   |         |         |



# ROITHNER LASERTECHNIK

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| MxL-523.5  | PSU-LED   |
|--|---|
|  <p data-bbox="277 770 679 801">140. 8(L)×73(W) ×46. 2(H) mm<sup>3</sup>, 0.6kg</p>   |  <p data-bbox="911 770 1294 801">154 (L) ×155(W) ×95 (H) mm<sup>3</sup>, 1.5kg</p>    |
|    |    |
| PSU-FDA  | PSU-OEM   |
|  <p data-bbox="272 1644 644 1675">133 (L) ×130(W) ×65 (H) mm<sup>3</sup>, 1.2kg</p> |  <p data-bbox="911 1644 1273 1675">100 (L) ×60(W) ×56 (H) mm<sup>3</sup>, 0.2kg</p> |
|   |   |