



MGL-DP-xxx-B series

LD PUMPED ALL-SOLID-STATE LASER

All solid-state CW mode laser is made features of ultra compact, easy operating, high power and stability, which is perfect for flow cytometry, spectrum analysis, microscopy, semiconductor inspection, cell sorting, optical instrument, , physics experiment, etc.



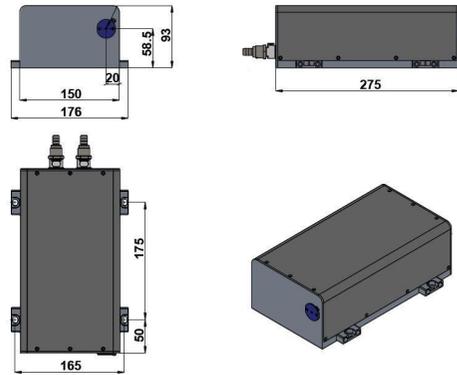
SPECIFICATIONS

| Part number | MGL-DP-522-B | MGL-DP-545-B |
|-------------------------------------------------------|--------------------------------------|--------------|
| Central wavelength (nm) | 522±1 | 545±1 |
| Operating mode | CW | |
| Output power (mW) | 1500-3000 | 100-500 |
| Power stability (rms, over 4 hours) | <3%, <2%, <1% | |
| Transverse mode | TEM ₀₀ | |
| Beam diameter at the aperture (1/e ² , mm) | 2.0 | |
| Beam divergence, full angle (mrad) | <5.0 | |
| Warm-up time (minutes) | <10 | |
| Polarization Ratio | >100:1 Horizontal(Vertical Optional) | |
| Beam height from base plate (mm) | 58.5 | |
| Cooled method (Water Cooled) | WCH-580 | |
| Operating temperature (°C) | 10-35 | |
| Power supply | PSU-W-LED/ PSU-W-FDA | |
| Warranty | 1 year | |

Note: The laser head must be used on a water cooling system.

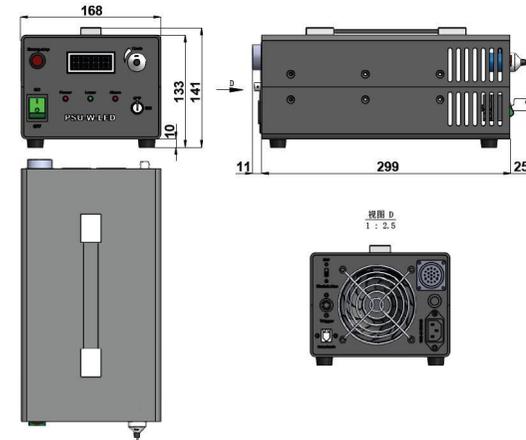


LASER HEAD



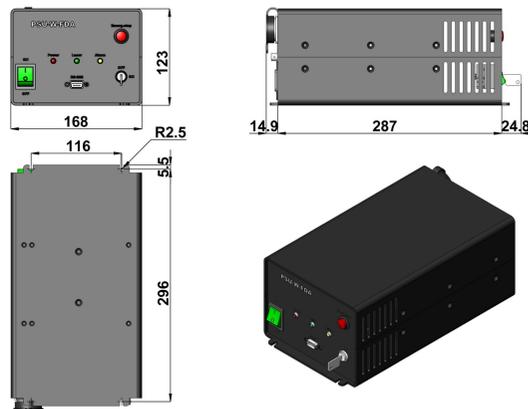
275(L)×176(W)×93(H) mm³

POWER SUPPLY (PSU-W-LED)



335 (L) ×168(W) ×141(H) mm³, 4.0 kg

POWER SUPPLY (PSU-W-FDA)



326.7 (L) ×168(W) ×123(H) mm³, 4.0 kg

Water Chiller(WCH-580)



345 (L) ×248 (W) ×215(H) mm³, 10.5 kg