## MGL-III-xxx-AOM series

# HIGH FREQUENCY MODULATED ALL-SOLID-STATE LASER


High frequency modulated laser system has such characteristics as quick modulation rate, high extinction ratio, easy coding and convenient use. Laser modulation frequency of this laser system can be up to 1MHz, It is mainly used in such fields as laser text-image processing, laser lithography, laser phototypesetting, and laser digital communication. It is suitable for OEM system integration and scientific research laboratories etc.

**SPECIFICATIONS**

| | |
|---|---|
| Wavelength (nm) | 532±1 |
| Operating mode | CW |
| Output power (mW)[1] | 1-150 |
| Power Stability (rms,over 4 hours) | <3%, <2%, <1% |
| Transverse mode | $TEM_{00}$ |
| $M^2$ factor | <1.2 |
| Beam Diameter at the aperture at the aperture $1/e^2$ (mm) | <1.5 |
| Beam divergence, full angle (mrad) | <1.5 |
| Polarization ratio | >100:1, Vertical (Horizontal Optional) |
| Warm-up Time (minutes) | <5 |
| Pointing stability (urad)(over 2 hours after warm-up and±3℃) | <50 |
| Pointing stability Over Temperature(urad/℃) | <8 |
| Beam height from base plate (mm) | 24.8 |
| Operating temperature(℃) | 10-35 |
| Power supply (90-264VAC) | PSU-H-FDA-AOM/PSU-H-LED-AOM |
| Modulation optional | DC-1MHz；TT or Analog optional |
| Expected lifetime (hours) | ＞10000 |

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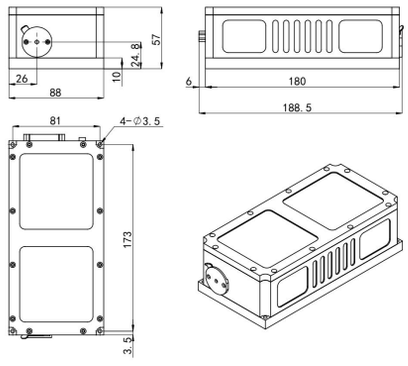
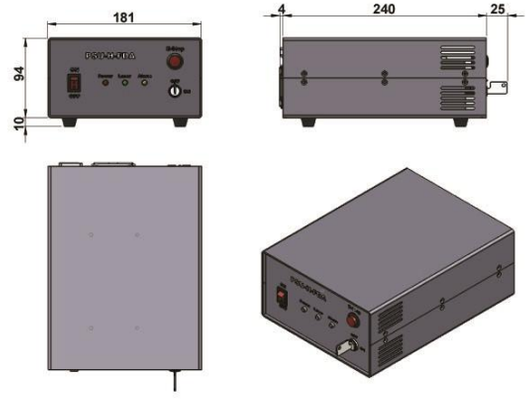
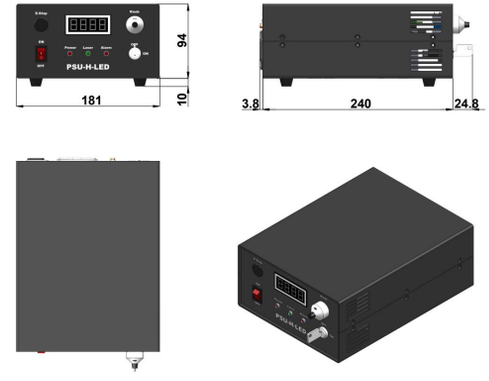
| LASER HEAD | POWER SUPPLY(PSU-H-FDA-AOM)[2] | POWER SUPPLY(PSU-H-LED-AOM)[3] |
|---|---|---|
|  |  |  |
| 188.5(L)×88(W) ×57(H) mm³, 1.6kg | 269 (L) ×181(W) ×104(H) mm³, 2.7 kg | 268.6 (L) ×181(W) ×104(H) mm³, 2.7 kg |

1 Any power level can be selected in this range.

2 Fixed output power;RS232 control optional

3 Output power adjustable 10-100%;RS232 control optional

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