

### MxL-III-xxx-AOM

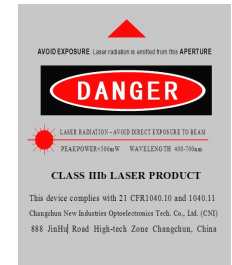
#### HIGH FREQUENCY MODULATED ALL-SOLID-STATE LASER


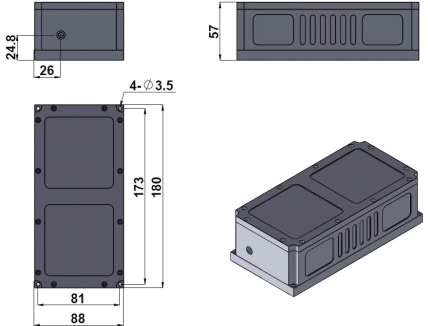

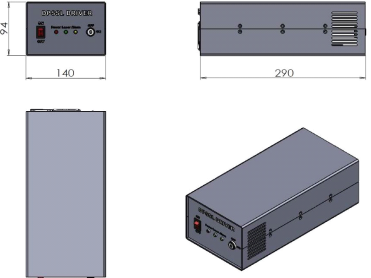
High frequency modulated laser system has such characteristics as quick modulation rate, high extinction ratio, easy coding and convenient use. Laser modulation frequency of this laser system can be up to 1MHz, It is mainly used in such fields as laser text-image processing , laser lithography, laser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



#### SPECIFICATIONS

|   |                        |                  |                  |
|---|------------------------|------------------|------------------|
| Wavelength (nm)   | 473±1                  | 532±1            | 671±1            |
| Output power (mW)   | >1,10,20,...,50        | >1,10,20,...,150 | >1,10,20,...,100 |
| Transverse mode   | Near TEM <sub>00</sub> |                  |                  |
| Power Stability (rms,over 4 hours)                                  | <1%,<3%,<5%            |                  |                  |
| Warm-up Time (minutes)  | <10                    |                  |                  |
| M <sup>2</sup> factor   | <1.5                   |                  |                  |
| Beam divergence,full angle (mrad)                                   | <1.5                   |                  |                  |
| Beam Diameter at the aperture at the aperture 1/e <sup>2</sup> (mm) | ~3.0                   |                  |                  |
| Beam height from base plate (mm)                                    | 24.8                   |                  |                  |
| Pointing stability after warm-up (mrad)                             | <0.05                  |                  |                  |
| Polarization ratio  | > 100:1                |                  |                  |
| Power supply (90-264VAC)  | PSU-III-FDA-AOM        |                  |                  |
| Modulation  | >1MHz                  |                  |                  |
| Operating temperature(°C)   | 10~35                  |                  |                  |
| Expected lifetime (hours)   | 10000                  |                  |                  |
| Warranty  | 1 year                 |                  |                  |



| MxL-III-xxx-AOM   | Dimension  | PSU-III-FDA-AOM  | Dimension   |
|---|--|--|---|
|  <p><b>180(L)×88(W) ×57(H) mm<sup>3</sup>, 1.6kg</b></p> |  |  <p><b>290 (L) ×140(W) ×94 (H) mm<sup>3</sup>, 2.3 kg</b></p> |  |