

## HIGH FREQUENCY MODULATED SINGLE LONGITUDINAL MODE LASER OEMSL-FN-XXX-AOM

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.



### Specification

Model	OEMSL-FN-XXX-AOM				
Wavelength (nm)	473±1	532±1	556±1	561±1	671±1
Output power (mW)	>1,10,20 ,...,50	>100,150, ...,200	>1,10,20 ,...,50	>1,10,20 ,...,50	>1,10,20, ...,150
Transverse mode	Near TEM <sub>00</sub>				
Longitudinal mode	Single				
Power Stability (rms,over 4 hours)	<1%,<3%,<5%				
Warm-up Time (minutes)	<10				
M2 factor	<1.5				
Beam divergence, full angle (mrad)	<1.5				
Beam Diameter at the aperture 1/e2 (mm)	~3.0				
Optical Noise (rms,1~20MHz)	<0.5%				
Spectral linewidth (nm)	<0.00001				
Beam height from base plate (mm)	24.8				
Coherent length (m)	>50				
Pointing stability after warm-up (mrad)	<0.05				
Polarization ratio	> 100:1				
Power supply (90-264VAC)	PSU-H-FDA-AOM				
Modulation	>1MHz				
Operating temperature(°C)	10~35				
Expected lifetime (hours)	10000				
Warranty	1 year				

**Features**

- ❖ TEC cooling system
- ❖ Single longitudinal mode
- ❖ Modulation frequency > 1 MHz
- ❖ Best reliability and lifetime
- ❖ Coherent length more than 50m

**Applications**

- ❖ DNA sequencing
- ❖ Flow cytometry
- ❖ Cell sorting
- ❖ Optical instrument
- ❖ Spectrum analysis
- ❖ Interference measurement
- ❖ Holography
- ❖ Physics experiment

**Options**

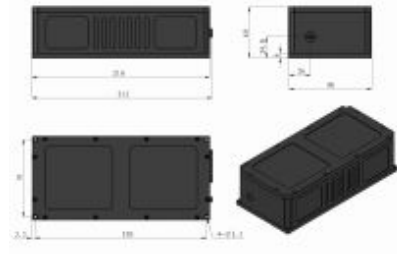
- ❖ Fiber coupling lasers
- ❖ RGB lasers
- ❖ Line lasers
- ❖ Single longitudinal lasers

**OEMSL-FN-XXX-AOM**



213(L)×98(W) ×60(H) mm3, 1.9kg

**Dimension**



**PSU-H-FDA-AOM**



269 (L) ×181(W) ×104(H) mm3, 2.7 kg

**Dimension**

