



MSL-FN-xxx-AOM series

HIGH FREQUENCY MODULATED SINGLE LONGITUDINAL MODE LASER

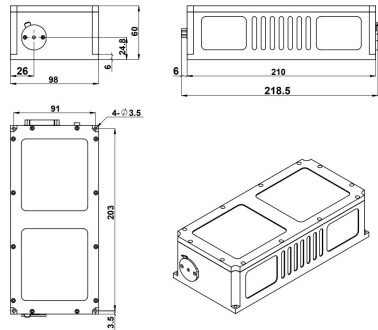
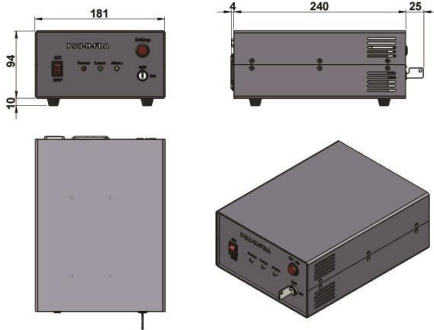
High frequency modulated laser system has such characteristics as quick modulation rate, high extinction ratio, easy coding and convenient use. Laser modulation frequency of this laser system can be up to 1MHz, It is mainly used in such fields as laser text-image processing, laser lithography, laser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



SPECIFICATIONS

Wavelength (nm)	473±1	532±1	556±1	561±1	671±1
Output power (mW) ¹	1-200	30-800	1-80	1-100	1-400
Power stability (rms, 4 hours ±3°C)	<3%, <2%, <1%				
Transverse mode	TEM ₀₀				
Longitudinal mode	Single				
Spectral line width (MHz)	<1MHz				
Coherent length (m)	>50				
Optical noise (rms, 20-20MHz)	<0.5%				
M ²	<1.2				
Beam divergence, full angle (mrad)	<1.5				
Beam diameter at the aperture 1/e ² (mm)	<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°C)	<50				
Pointing stability over temperature (urad/°C)	<8				
Beam height from base plate (mm)	24.8				
Operating temperature (°C)	10-35				
Power supply (100-240VAC)	PSU-H-FDA-AOM				
Modulation optional	DC-1MHz;TTL or Analog optional				
Expected lifetime (hours)	>10000				



LASER HEAD	POWER SUPPLY (PSU-H-FDA-AOM) ²
 218.8(L)×98(W) ×60(H) mm³, 1.9kg	 269 (L) ×181(W) ×104(H) mm³, 2.7 kg

1 Any power level can be selected in this range.

2 Fixed output power.