+1-631-246-3067
info@aladdinoptics.com

MSL-FN-Series-AOM

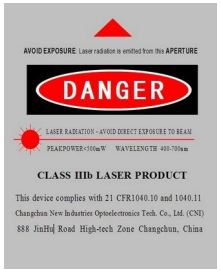
HIGH FREQUENCY MODULATED SINGLE LONGITUDINAL MODE LASER

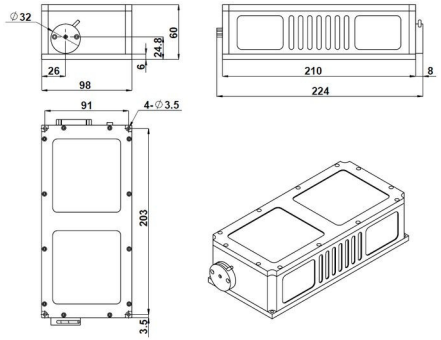
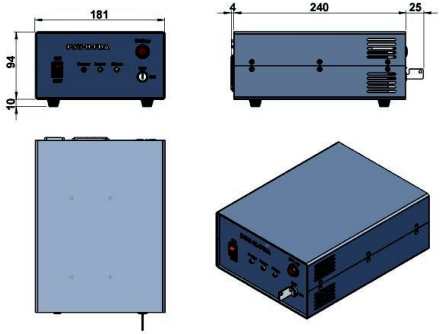
High frequency modulated laser systemhas such characteristics as quick modulation rate, high extinction ratio, easy coding and convenient use.Laser modulation frequency of this laser system can be up to 1MHz,It is mainly used insuch fields as laser text-image processing,laser lithography, laser phototypesetting,andlaser digitalcommunication. 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
Outputpower(mW)	>1,10,20,…,50	>100,150,…,200	>1,10,20,…,30	>1,10,20,…,50	>1,10,20, …,150
Power Stability(rms,over 4 hours)	<1%,<3%,<5%				
Transversemode	$NearTEM_{00}$				
Longitudinal mode	Single				
Spectral linewidth (nm)	<0.00001				
Coherent length (m)	>50				
Optical Noise (rms,1~20MHz)	<0.5%				
M^2factor	<1.5				
Beam divergence, full angle(mrad)	<1.5				
Beam Diameterat the aperture1/e^2(mm)	~3.0				
Polarizationratio	>100:1				
Warm-up Time(minutes)	<10				
Pointing stability after warm-up (mrad)	<0.05				
Beam height from baseplate (mm)	24.8				
Operating temperature(℃)	10~35				
Powersupply(90-264VAC)	PSU-H-FDA-AOM				
Modulation	1MHz				
Expected lifetime (hours)	10000				
Warranty	1 year				





MSL-FN-xxx-AOM	PSU-H-FDA-AOM
	
224(L)×98(W)×60(H)mm³,1.9kg	**269 (L)×181(W)×104(H)mm³, 2.7 kg**