



MBL-FN-xxx-AOM series

HIGH FREQUENCY MODULATED ALL-SOLID-STATE LASER

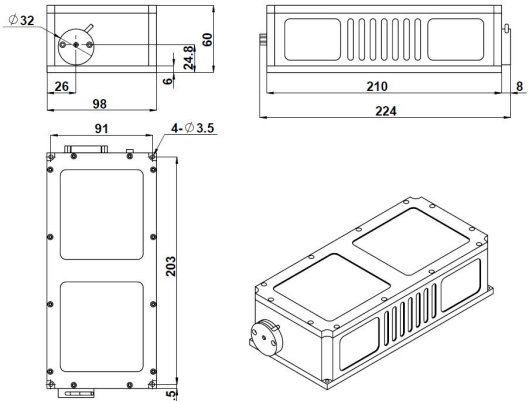
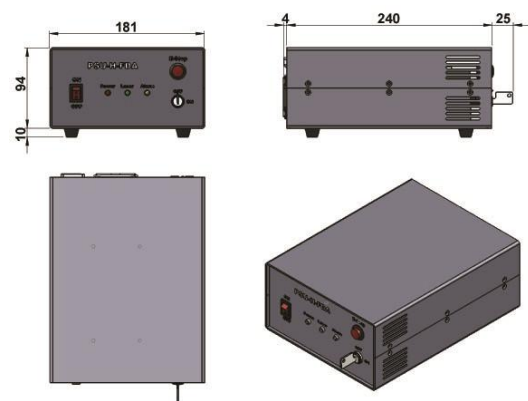
The high-frequency modulated laser system features a modulation frequency of up to 1 MHz and a high extinction ratio, and it is easy to code and ready to use. It is suitable for various applications, including laser graphic processing and laser digital communications.



SPECIFICATIONS

Wavelength (nm)	473±1
Operating mode	CW
Output power (mW) ¹	50-150
Power stability (rms, 4 hours ±3°C)	<3%, <2%, <1%
Transverse mode	TEM ₀₀
M ²	<1.5
Beam diameter at the aperture (1/e ² , mm)	<1.0
Beam divergence (mrad)	<1.5
Polarization ratio	>100:1, Vertical (Horizontal optional)
Warm-up time (minutes)	<5
Pointing stability (μrad) (over 2 hours after warm-up and ±3°C)	<50
Beam height from base plate (mm)	24.8
Operating temperature (°C)	10-35
Modulation optional	DC-1MHz; TTL or Analog optional
Power supply (100-240VAC)	PSU-H-FDA-AOM
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY ²
 224(L)×98(W) ×60(H) mm³, 1.9kg	 269 (L) ×181(W) ×104(H) mm³, 2.7kg

1 Any power level can be selected in this range.

2 Fixed output power.