



MGL-FN-xxx-AOM series

HIGH FREQUENCY MODULATED ALL-SOLID-STATE LASER

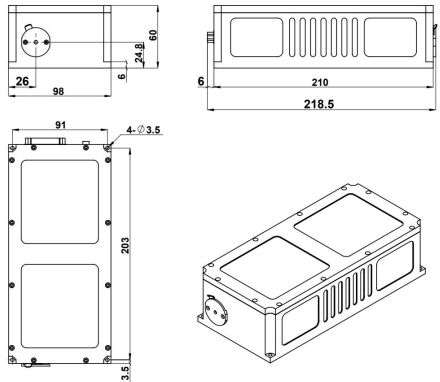
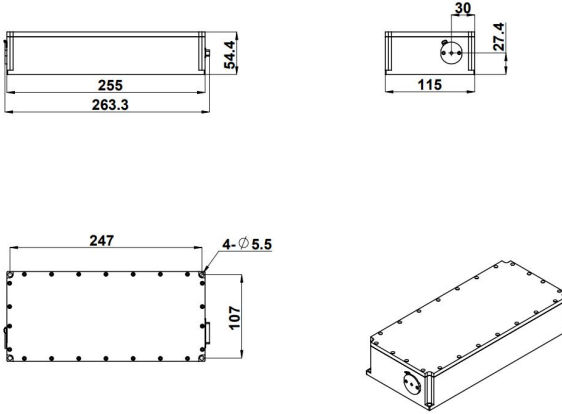
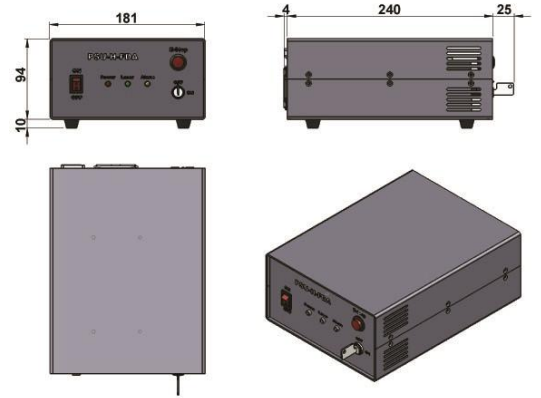
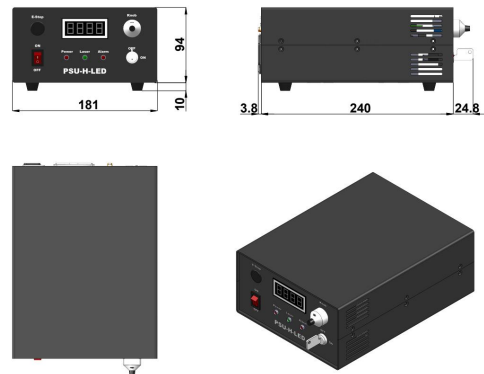
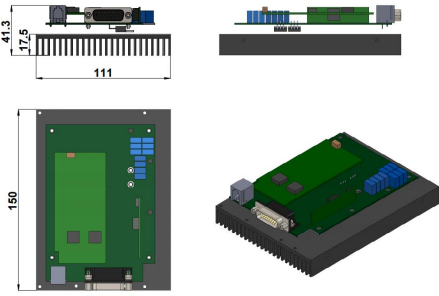
The modulation frequency of high frequency modulation laser system is up to 1MHz. It can be used in the field like laser graphic processing, laser digital communications, etc. It has the feature of high extinction ratio, coding easily, usability, etc



SPECIFICATIONS

Wavelength (nm)	532±1	556±1	561±1	
Output power (mW) <sup>1</sup>	150-2000	1-100	1-100	100-600
Power Stability (rms, 4 hours ±3°C)	<3%, <2%, <1%			<5%, <3%, <2%
Transverse mode	TEM <sub>00</sub>			Near TEM <sub>00</sub>
M <sup>2</sup>	<1.2			<1.5
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	<1.5			
Beam divergence (mrad)	<1.5			<4
Polarization ratio	>100:1, Horizontal (Vertical optional)	>100:1, Vertical (Horizontal optional)		
Warm-up time (minutes)	<5			
Pointing stability (μrad) (over 2 hours after warm-up and ±3°C)	<50			
Pointing stability over temperature (μrad/°C)	<8			
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/PSU-H-LED-AOM			
Power supply (12VDC)	PSU-SR-OEM (12V/25A)			
Expected lifetime (hours)	>10000			



LASER HEAD	LASER HEAD (MGL-FN-561-AOM-600mW)	POWER SUPPLY (PSU-H-FDA-AOM) <sup>2</sup>
 <p>218.5(L)×98(W)×60(H) mm<sup>3</sup>, 1.9kg</p>	 <p>263.3 (L)×115(W)×54.4(H) mm<sup>3</sup>, 1.8kg</p>	 <p>269 (L)×181(W)×104(H) mm<sup>3</sup>, 2.7kg</p>
POWER SUPPLY (PSU-H-LED-AOM) <sup>3</sup>	DRIVER (PSU-SR-OEM) <sup>3</sup>	
 <p>268.6 (L)×181(W)×104(H) mm<sup>3</sup>, 2.7kg</p>	 <p>150(L)×111(W)×41.3(H) mm<sup>3</sup>, 0.8kg</p>	

1 Any power level can be selected in this range.

2 Fixed output power.

3 Output power adjustable 10-100%;RS232 control optional.