



MBL-F series



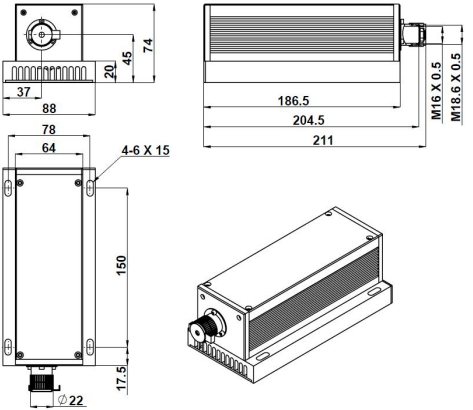
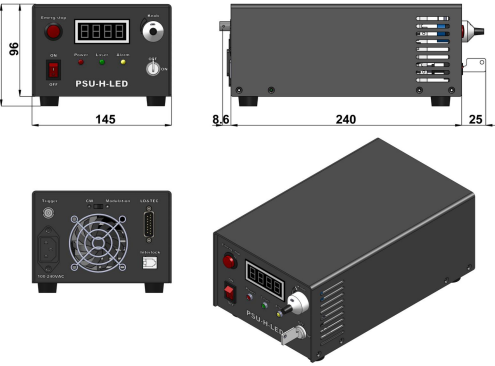
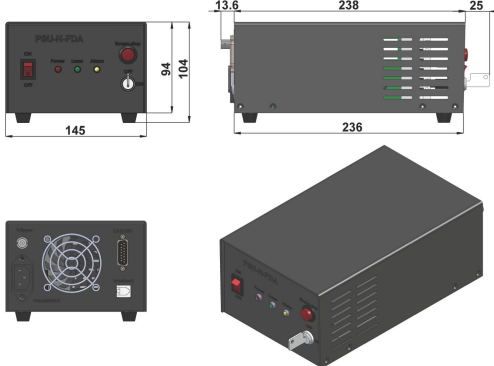
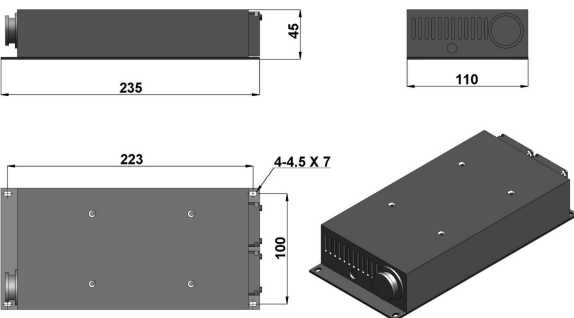
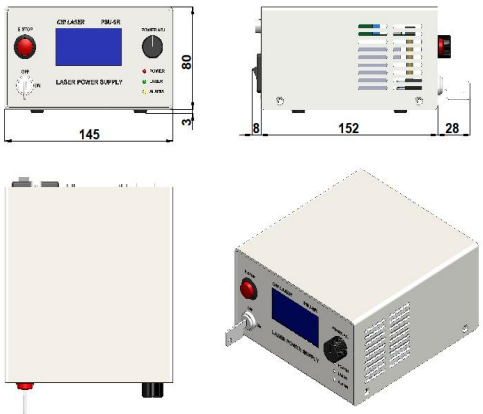
LD PUMPED ALL-SOLID-STATE LASER

All solid state laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.



SPECIFICATIONS

Part number	MBL-F-457		MBL-F-473		MBL-F-480
Wavelength (nm)	457±1		473±1		480±1
Operating mode	CW				
Output power (mW)	30-400	400-1000	1-300	300-500	1-50
Power stability (rms, over 4 hours)	<3%, <2%	<5%, <3%	<3%, <2%, <1%		<5%, <3%
Transverse mode	Near TEM ₀₀	Near TEM ₀₁ , (Near TEM ₀₀ on request)	TEM ₀₀	Near TEM ₀₀	
M ² factor	<2.0				
Beam diameter at the aperture (1/e ² , mm)	~2.0			~3.0	
Beam divergence, full angle (mrad)	<1.5				
Polarization Ratio	>100:1, Vertical (Horizontal Optional)			>100:1, Horizontal (Vertical Optional)	
Warm-up time (minutes)	<5				
Pointing stability after warm-up (mrad)	<0.05				
Beam height from base plate (mm)	45				
Operating Temperature (°C)	10-35				
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, and Analog modulation optional				
Power supply (90-264VAC)	PSU-H-LED/ PSU-H-FDA/ PSU-H-OEM/ PSU-SR			PSU-H-FDA/ PSU-H-OEM	
Expected lifetime (hours)	10000				
Warranty	1 year				

LASER HEAD	POWER SUPPLY (PSU-H-LED)	POWER SUPPLY (PSU-H-FDA)
 <p>211 (L)×88(W)×74(H) mm³, 1.6 kg</p>	 <p>273.6 (L)×145(W)×106 (H) mm³, 2.3 kg</p>	 <p>276.6(L)×145(W)×103.6(H) mm³, 2.3 kg</p>
POWER SUPPLY (PSU-H-OEM)	POWER SUPPLY (PSU-SR)	
 <p>235(L)×110(W)×45(H) mm³, 1.1kg</p>	 <p>188(L)×145(W)×83(H) mm³, 1.2kg</p>	