

## MLL-F-457/1~1000mW



### LD PUMPED ALL-SOLID-STATE LOW NOISE GREEN LASER

All solid state 457nm low noise UV laser is made features of ultra compact, long lifetime, and easy operating, which is widely used in scientific experiments, laser fluorescence, etc.

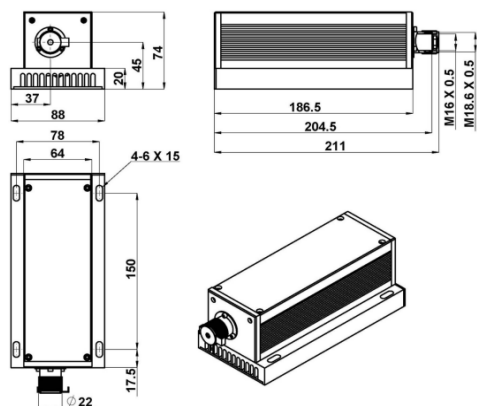


#### SPECIFICATIONS

Wavelength (nm)	457 ± 1	
Operating mode	CW	
Output power (mW)	1 - 400	400 - 1000
Power stability (rms, over 4 hours)	<3 %, <5 %, <10%	
Transverse mode	Near TEM <sub>00</sub>	Near TEM <sub>01</sub> (Near TEM <sub>00</sub> on request)
Spectral linewidth (nm)	<0.2	
Noise of amplitude (rms, 1Hz~20MHz)	<3 %	
M <sup>2</sup> factor	<2.0	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~3.0	
Warm-up time (minutes)	<10	
Polarization ratio	>100:1, optional) (Horizontal or Vertical Optional)	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	45	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-FDA/PSU-H-OEM	
TTL / Analog modulation	/	
Expected lifetime (hours)	10000	
Warranty period	1 year	

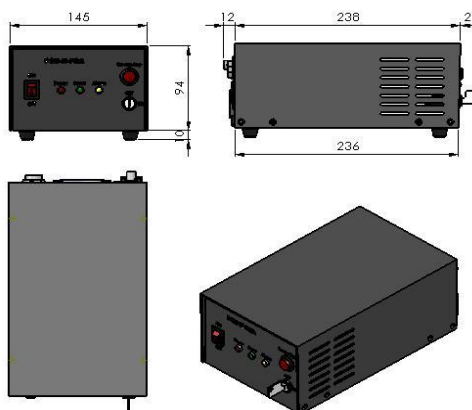


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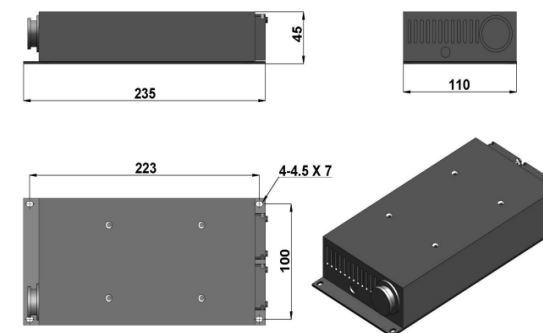
211(L) × 88 (W) × 74 (H) mm<sup>3</sup>, 1.6kg

#### PSU-H-FDA



275 (L) × 145(W) × 104 (H) mm<sup>3</sup>, 2.3kg

#### PSU-H-OEM



235(L) × 110(W) × 450(H) mm<sup>3</sup>, 1.1kg