

MLL-FN-473/1~400mW



**LD PUMPED ALL-SOLID-STATE  
LOW NOISE LASER AT 473nm**

All solid state 473nm low noise laser is made features of high output power stability, good beam profile, ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, treatment, scientific experimental, medical instrument, etc.



**SPECIFICATIONS**

Wavelength (nm)	473±1	
Operating mode	CW	
Output power (mW)	1 - 200	200 - 400
Power stability (rms, over 4 hours)	<3%, <2%, <1%	<3%, <2%
Spectral linewidth (nm)	<0.1, <0.003	<0.1
Transverse mode	TEM <sub>00</sub>	
Noise of amplitude (rms, 1Hz~20MHz)	<1%	
M <sup>2</sup> factor	<1.5	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	<1.2	
Beam divergence, full angle (mrad)	<1.0	
Beam height from base plate (mm)	27.4	
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)	
Warm-up time (minutes)	<5	
Pointing stability after warm-up (mrad)	<0.05	
Max. laser head base plate temp. (°C)	50	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-OEM/PSU-H-FDA	
Expected lifetime (hours)	10000	
Warranty	1 year	



**Note: The laser head needs to be used on a heat sink with good heat dissipation.**

MLL-FN-473	PSU-H-FDA	PSU-H-OEM
<p>197(L)×70(W)×50(H) mm<sup>3</sup>, 1.5kg</p>	<p>275(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3kg</p>	<p>235(L)×110(W) ×45(H) mm<sup>3</sup>, 1.1kg</p>