

## **新产业光电技术有限**公司

DATA SHEET

## MLL-U-532 /1-400mW



## **ULTRA- LOW NOISE DPSS** LASER AT 532nm

Ultra low noise laser at 532nm is made features of ultra compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.









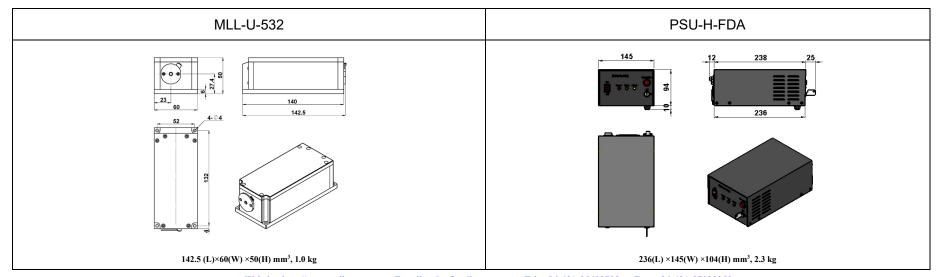
## **SPECIFICATIONS**

Central wavelength (nm)	532±1	
Operating mode	CW	
Output power (mW)	>1, 5, 10, 20,, 300	>300,, 400
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%
Transverse mode	$TEM_{00}$	
Spectral linewidth (nm)	<0.003	
Noise of amplitude (rms, 1Hz~20MHz)	<0.5%, <1%	
M <sup>2</sup> factor	<1.2	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	0.70±0.05	
Beam divergence (mrad)	<1.5	
Polarization Ratio	>100:1	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27.4	
Laser head consumption(W)	15 (typical), <25 (40°C)	
Max. Laser Head Baseplate Temp (°C)	50	
Operating Temperature (°C)	10-40	
Power supply (90-264VAC)	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.





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