



# Lasertack

## New Laser Generation

MLL-U-532 /1-1500mW



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

Supper 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.

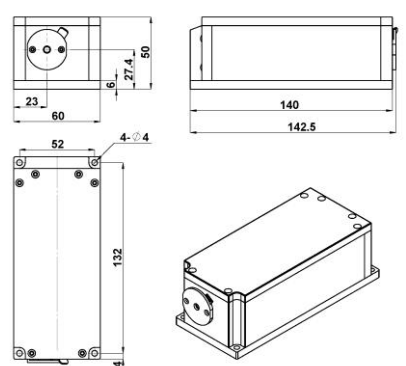
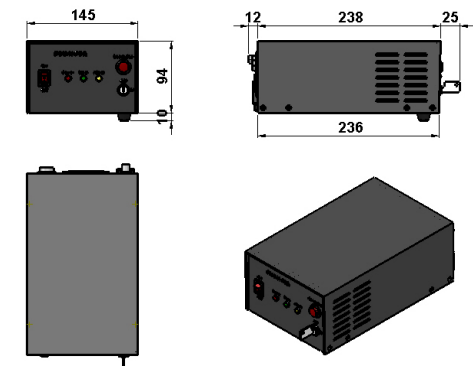


#### SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	CW
Output power (mW)	>1, 5, 10, 20, ..., 1500
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Transverse mode	TEM <sub>00</sub>
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
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional
Expected lifetime (hours)	10000
Warranty	1 year



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

MXL-U-532	PSU-H-FDA
 <p>142.5 (L)×60(W) ×50(H) mm<sup>3</sup>, 1.0 kg</p>	 <p>236(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg</p>