



MLL-K-532/ 1-30W



LOW NOISE GREEN LASER  
AT 532nm

MLL-K DPSS laser for Ti:Sa pumping up to 30W, continuous output, TEM00 beam profile, high stabilized and extra low noise.

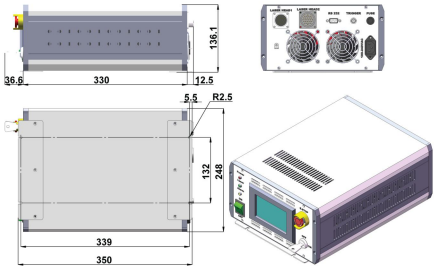
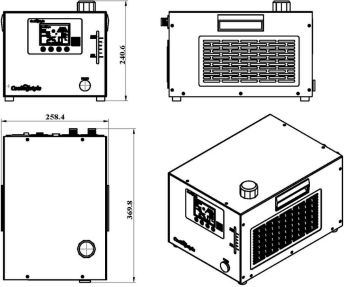
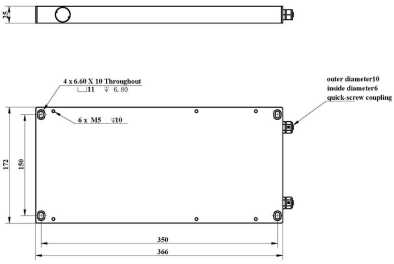


SPECIFICATIONS

Model	MLL-K-532	MLL-K-532-Water	MLL-K-532-OEM
Wavelength (nm)	532±1		
Operating mode	CW		
Output power (W) <sup>1</sup>	1-5	5-15	15-30
Power Stability (rms, 4 hours ± 3°C)	<3%, <2%, (<1% optional)	<1%, <0.5%, (<0.3% optional)	<2% <1%, (<0.5% optional)
Transverse mode	TEM00		
Spectral linewidth (nm)	<0.1		
Noise of amplitude (rms, 20Hz-20MHz)	<1%	<0.1%	<0.3%
M <sup>2</sup> factor	<1.1		
Beam divergence, full angle (mrad)	~1.0		
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~2.0		
Warm-up time (minutes)	<10		
Pointing Stability (urad) (over 2 hours after warm-up and ±3°C)	<50		
Pointing Stability Over Temperature (urad/°C)	<20		
Polarization ratio	>50:1 (>100:1 optional), Horizontal (Vertical optional)		
Beam height from base plate (mm)	110	68	30
Cooled method	Air Cooled	Water Cooled	Conduction
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional		
Operating temperature (°C)	10-35		25
Power supply (100-240VAC)	PSU-W-LED		PSU-AOM
Expected lifetime (hours)	>10000		



LASER HEAD (MLL-K-532)	LASER HEAD (MLL-K-532-Water)	LASER HEAD (MLL-K-532-OEM) <sup>2</sup>	POWER SUPPLY (PSU-W-LED)
<p>335 (L) × 140 (W) × 110 (H) mm<sup>3</sup>, 6.2 kg</p>	<p>245 (L) × 110 (W) × 96 (H) mm<sup>3</sup>, 4.2 kg</p>	<p>361 (L) × 172 (W) × 75 (H) mm<sup>3</sup>, 12.4 kg</p>	<p>301.5 (L) × 185 (W) × 114 (H) mm<sup>3</sup>, 3.0 kg</p>

POWER SUPPLY (PSU-AOM)	WATER CHILLER (WCH-580)	ACCESSORIES (WATER-COOLED PANELS)
 <p data-bbox="331 671 658 694">379.1(L) × 248 (W) × 136.1 (H) mm<sup>3</sup>, 7.7 kg</p>	 <p data-bbox="943 671 1308 694">369.8 (L) × 258.4 (W) × 240.6 (H) mm<sup>3</sup>, 10.5 kg</p>	 <p data-bbox="1621 671 1868 694">366 (L) × 172 (W) × 25(H) mm<sup>3</sup></p>

- 1 Any power level can be selected in this range.
- 2 The laser head needs to be used on a heat sink with 320 W heat dissipation.