



MLL-K-1064-OEM/ 20-40W



LOW NOISE INFRARED LASER AT 1064nm

All solid state infrared low noise laser at 1064 nm is made features of ultra compact, long lifetime and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.

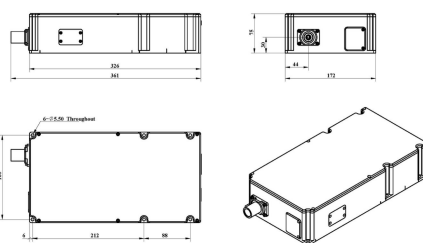


SPECIFICATIONS

Model	MLL-K-1064-OEM
Wavelength (nm)	1064±1
Operating mode	CW
Output power (W) ¹	20-40
Power Stability (rms, 4 hours ± 3°C)	<2%, <1%, (<0.5% optional)
Transverse mode	TEM00
Spectral linewidth (nm)	<0.1
Noise of amplitude(rms,20Hz-20MHz)	<0.5%
M ²	<1.2
Beam divergence, full angle (mrad)	~1
Beam diameter at the aperture (1/e ² , mm)	~2
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)	30
Cooled method	Conduction
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional
Operating temperature (°C)	25
Power supply (100-240VAC)	PSU-AOM
Expected lifetime (hours)	>10000

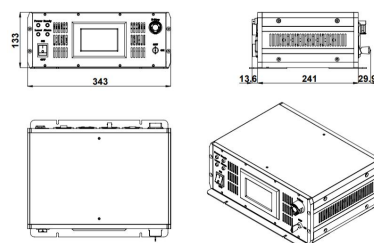


LASER HEAD²



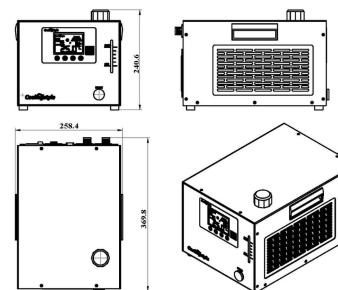
361 (L) × 172 (W) × 75 (H) mm³, 7.8 kg

POWER SUPPLY



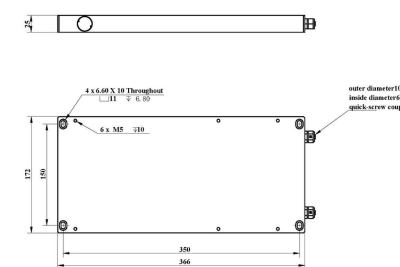
343(L) × 284.5 (W) × 133 (H) mm³, 9.42kg

WATER CHILLER (WCH-580)



369.8 (L) × 258.4 (W) × 240.6 (H) mm³, 10.5 kg

ACCESSORIES (WATER-COOLED PANELS)



366 (L) × 172 (W) × 25(H) mm³, 3.8 kg

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.