

MLL-W-1064/6~20W



LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1064nm

All solid state infrared laser at 1064nm 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-W-1064A(Good beam)	MLL-W-1064B (Normal Product)
Wavelength (nm)	1064±1	
Operating mode	CW	
Output power (W)	>6, 6.5, 7, ..., 10	>6, 6.5, 7, ..., 20
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	
Transverse mode	TEM ₀₀	Near TEM ₀₀
Noise of amplitude (rms, 1~20MHz)	<1%, <3%	
M ² factor	<2.0	3~8
Beam divergence, full angle (mrad)	<2.0	
Beam diameter at the aperture (1/e ² , mm)	<2.0	3-5
Warm-up time (minutes)	<10	
Polarization ratio	>100:1	
Beam height from base plate (mm)	93.5	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-W-LED	PSU-W-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MLL-W-1064	PSU-W-LED	PSU-W-FDA
<p>344.5 (L) × 140 (W) × 124.3 (H) mm³, 5.7 kg</p>	<p>336 (L) × 168 (W) × 133 (H) mm³, 4.6 kg</p>	<p>307 (L) × 168 (W) × 123 (H) mm³, 4.5 kg</p>