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## DATA SHEET

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

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



Model: MIL-W-1064/6000~20000mW

Model	MIL-W-1064A (Good Beam)	MIL-W-1064B (Normal Beam)
Wavelength (nm)	1064 ± 1	
Operating mode	CW	
Output power (mW)	>6000, 7000, 8000, ..., 10000	>6000, 7000, 8000, ..., 20000
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	
Transverse mode	TEM <sub>00</sub>	Near TEM <sub>00</sub>
M <sup>2</sup> factor	<2.0	3.0~8.0
Beam divergence, full angle (mrad)	<2.0	
Beam diameter at the aperture (mm)	<2.0	3.0~5.0
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
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10,000	
Warranty period	1 year	

MxL-W-1064	Dimensions	PSU-W-LED	PSU-W-FDA
	<p>346(L) × 140(W) × 125(H) mm<sup>3</sup>, 5.7kg</p>	<p>336(L) × 168(W) × 133(H) mm<sup>3</sup>, 4.6kg</p>	<p>307(L) × 168(W) × 123(H) mm<sup>3</sup>, 4.5kg</p>