

MPL-W-1064/150~240uJ/3000~6000mW

LD PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

All solid state Q-switched laser at 1064nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in industry (marking on the diamond or stone), teaching of nonlinear optics.



SPECIFICATIONS

Wavelength (nm)	1064±1	
Output average power (mW)	3000~6000	
Operating mode	Pulsed . Cr:YAG Passively Q-switched	
Single pulse energy (μJ)	150~240	
Pulse duration (ns)	~8	
Peak power (kW)	20~30	
Rep. rate (kHz)	Uncontrollable	Undefined rep. rate among 20k-35kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.
Average power (mW)	Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz)	
Ave power stability (over 4 hours)	<3%, <5%	
Transverse mode	Near TEM ₀₀	
Warm-up time (minutes)	<10	
M ² factor	<2.0	
Beam divergence, full angle (mrad)	<2.0	
Beam diameter at the aperture (mm)	~5.0	
Beam height from base plate (mm)	93.5	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-W-FDA	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-W-1064	PSU-W-LED	PSU-W-FDA
<p>333(L)×140(W) ×125(H) mm³, 6.1 kg</p>	<p>300 (L) ×162(W) ×134(H) mm³, 5.2 kg</p>	<p>307 (L) ×168(W) ×123(H) mm³, 5.1 kg</p>
<p>Dimensions: 140 (width), 150 (height), 125 (depth), 93.5 (base height), 33 (width of base), 300 (length of base), 4-5*15 (mounting holes).</p>	<p>Dimensions: 162 (width), 124 (height), 134 (depth), 300 (length of base).</p>	<p>Dimensions: 168 (width), 123 (height), 307 (depth), 116 (width of base), 45 (width of base), 8 (height of base).</p>