

MPL-W-1064/100~300uJ/2000~6000mW

### 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)	2000~6000
Operating mode	Pulsed , Cr:YAG Passively Q-switched
Single pulse energy (μJ)	100~300
Pulse duration (ns)	~10
Peak power (kW)	10~30
Rep. rate (kHz)	Uncontrollable
Average power (mW)	Undefined rep. rate among 20k-35kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.
Ave power stability (over 4 hours)	Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz)
Transverse mode	<3%, <5%
Warm-up time (minutes)	Near TEM <sub>00</sub>
M <sup>2</sup> factor	<10
Beam divergence, full angle (mrad)	<2.0
Beam diameter at the aperture (mm)	<2.0
Beam height from base plate (mm)	~5.0
Operating temperature (°C)	93.5
Power supply (90-264VAC)	10~35
Expected lifetime (hours)	PSU-W-FDA
	10000



MxL-W-1064	Dimensions	PSU-W-FDA	Dimensions
<p>333(L)×140(W) ×125(H) mm<sup>3</sup>, 6.1 kg</p>	<p>140, 150, 21.50, 125, 4-5*15, 93.5, 125, 33, 300</p>	<p>307 (L) ×168(W) ×123(H) mm<sup>3</sup>, 5.1 kg</p>	<p>168, 123, 307, 116, 45, 8</p>