

MPL-W-532/100~180uJ/1000~3000mW

LD PUMPED ALL-SOLID-STATE Q-SWITCHED LASER




All solid state Q-switched laser at 532nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in industry, such as marking on highly reflective metals, semiconductors, carbide, rubbers, ceramics and composites.



SPECIFICATIONS

Wavelength (nm)		532 ± 1
Operating mode		Q-switched pulsed laser
Single pulse energy (μJ)		100~180uJ
Pulse duration (ns)		~5
Peak power (kW)		20~35
Rep. rate (kHz)	Uncontrollable	Undefined rep. rate among 15k-20kHz 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)		~4.0
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-532	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>