

MPL-W-532/150~200uJ/1.5~3W



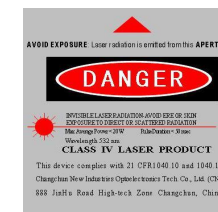
LD PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

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	Passively Q-switched	
Average power (W)	1.5~3	
Single pulse energy (μJ)	150~200uJ	
Pulse duration (ns)	~5	
Peak power (kW)	30~40	
Rep. rate (kHz)	FIXED	Setting up one fixed rep. rate internal between 1kHz-25kHz with stable pulse energy, pulse duration and pulse period.
	EXT TRIG	1kHz-25kHz by external trigger with stable pulse energy, pulse duration and pulse period.
	QCW	QCW state with one rep. rate between 15kHz-20kHz.
Power stability (over 4 hours)	<3%, <5%	
Transverse mode	Near TEM ₀₀	
M ² factor	<2.0	
Beam divergence, full angle (mrad)	<2.0	
Beam diameter at the aperture (1/e ² ,mm)	~4.0	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	93.5	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-AOW-S(2U)	PSU-W-LED(B)
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-W-532	PSU-AOW-S(2U)	PSU-W-LED(B)
<p>346 (L) × 140 (W) × 125 (H) mm³, 5.7 kg</p>	<p>480 (L) × 352.5 (W) × 90 (H) mm³, 7.0 kg</p>	<p>299 (L) × 168 (W) × 141 (H) mm³, 5.2 kg</p>