

### MPL-SW-532/80~100uJ/2000~3000mW

### 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		Pulsed, Cr : YAG passively Q-switched
Single pulse energy (μJ)		80~100uJ
Pulse duration (ns)		~5
Peak power (kW)		15~20
Rep. rate (kHz)	Uncontrollable	Undefined rep. rate among 25k-30kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.
	Controllable	Specified One rep. rate, such as 1k, 2k, 3k, up to 20kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period). Different rep. rate in the range of 1kHz-20kHz can be obtained by input an external TTL signal.
Average power (mW)		Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz)
Ave power stability (over 4 hours)		<1%, <3%, <5%
Transverse mode		TEM <sub>00</sub>
Warm-up time (minutes)		<10
M <sup>2</sup> factor		<1.5
Beam divergence, full angle (mrad)		<1.5
Beam diameter at the aperture (mm)		~1.5
Beam height from base plate (mm)		84
Operating temperature (°C)		10~35
Power supply (90-264VAC)		PSU-AOM-S(2U) PSU-W-LED(B)



EL-532 (SW)	PSU-AOW-S(2U)	PSU-W-LED(B)
 <p><b>269(L)×112(W)×108(H) mm<sup>3</sup>, 3.9kg</b></p>	 <p><b>480(L)×302(W)×90(H) mm<sup>3</sup>, 10.7kg</b></p>	 <p><b>299(L)×168(W)×141(H) mm<sup>3</sup>, 10.7kg</b></p>
		