

MPL-N-532/40~100uJ/150~600mW

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 (marking on the diamond or stone), teaching of nonlinear optics.



SPECIFICATIONS

Wavelength (nm)		532 ± 1	
Operating mode		Q-switched pulsed laser	
Single pulse energy (μJ)		40~100uJ	
Pulse duration (ns)		~7	
Peak power (W)		10000~15000	
Rep. rate (kHz)	Uncontrollable	Undefined rep. rate among 5k-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)		68.2	
Operating temperature (°C)		10~35	
Power supply (90-264VAC)		PSU-H-LED	PSU-H-FDA
Expected lifetime (hours)		10000	
Warranty period		1 year	



MPL-N-532	PSU-H-LED	PSU-H-FDA	PSU-N-OEM
 <p>235(L)×99(W)×94(H) mm³, 2.6 kg</p>	 <p>240 (L) ×146(W) ×108 (H) mm³, 2.6 kg</p>	 <p>238 (L) ×146(W) ×102 (H) mm³, 2.3 kg</p>	 <p>215 (L) ×129 (W) ×122 (H) mm³, 2.145 kg</p>
