

MPL-N-532/150-1500mW/60-125μJ



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.

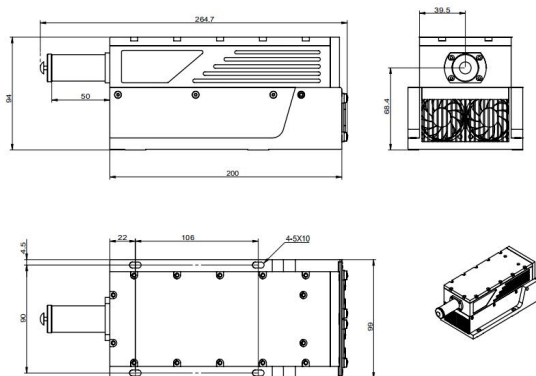


SPECIFICATIONS

Wavelength (nm)	532 ± 1	
Operating mode	Passively	
Average power (mW)	150-1500	
Single pulse energy (μJ)	60-125	
Pulse duration (ns) ¹	<2	~5
Peak power (kW)	75	30
Rep. rate	FIXED	Setting up one fixed rep. rate internal between 1kHz-10kHz with stable pulse energy, pulse duration and pulse period.
	EXT TRIG	1-10kHz by external trigger with stable pulse energy, pulse duration and pulse period.
	QCW	QCW state with one rep. rate between 1-15kHz
Power stability (rms, 4 hours ± 3°C)	<5%, <3%, <2%	
Transverse mode	TEM ₀₀	
M ²	<1.5	
Beam divergence, full angle (mrad)	<2	
Beam diameter at the aperture (1/e ² , mm)	~1.5	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	68.4	
Operating temperature (°C)	10-35	
Power supply (100-240VAC)	PSU-N-FDA/PSU-N-LED	
Expected lifetime (hours)	>10000	

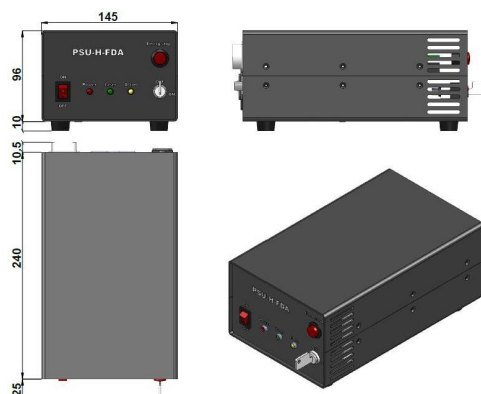


LASER HEAD



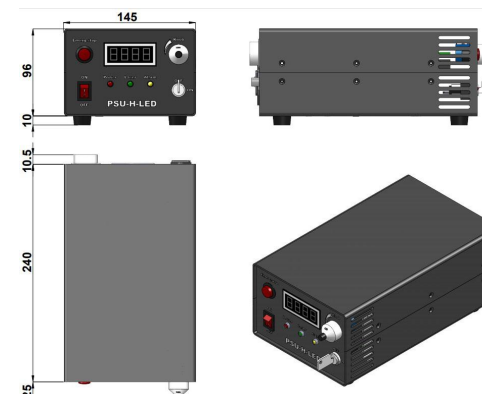
264.7 (L) × 99 (W) × 94 (H) mm³, 2.6 kg

POWER SUPPLY (PSU-N-FDA)²



275.5 (L) × 145 (W) × 106 (H) mm³, 2.5 kg

POWER SUPPLY (PSU-N-LED)³



275.5 (L) × 145 (W) × 106 (H) mm³, 2.5 kg

1 Fixed Pulse width.

2 Fixed output power.

3 Output power adjustable 10-100%.

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