

MDL-PS-488/1-50mW



**PICOSECOND PULSED BLUE
DIODE LASER AT 488nm**

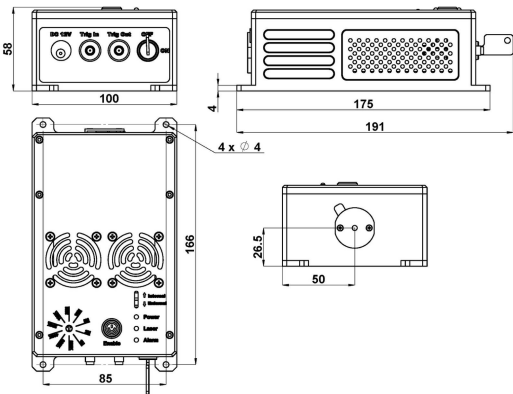
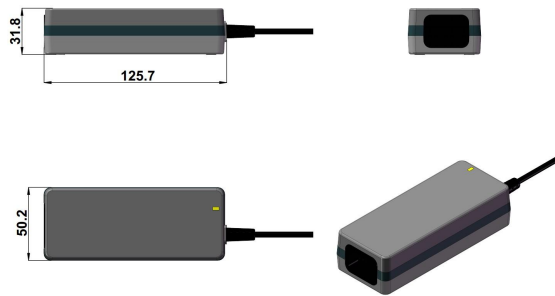
It features integrated electronics, repetition rate 100kHz to 20MHz, synchronized signal output. Fast ON/ OFF/ multiplexing capability. Suitable for fluorescence excitation, time resolve spectrum, highly sensitive absorption spectroscopy, etc.



SPECIFICATIONS

Central wavelength (nm)	488±5
Operating mode	Pulsed
Peak power (mW) ¹	1-50
Power stability (rms, 4 hours ± 3°C)	<3%, <2%, <1%
Pulse width (ps)	100-1000
Transverse mode	Near TEM ₀₀
Rep. rate ²	100kHz-20MHz
Beam diameter at the aperture (1/e ² , mm)	~1.2
Beam divergence, full angle (mrad)	~1.0
Warm-up time (minutes)	<5
Cooled method	Air cooled
Beam height from base plate (mm)	26.5
Operating temperature (°C)	10-35
Operating voltage (VDC)	12V/3.34A
Expected lifetime (hours)	>10000



LASER HEAD (DRIVER Integrated)	POWER SUPPLY (100-240VAC) optional
 191 (L) × 100 (W) × 58 (H) mm³, 1.2kg	 125.7 (L) × 50.2 (W) × 31.8 (H) mm³, 0.3kg

1 Any power level can be selected in this range.

2 Both internal and external triggers are acceptable. Internal trigger frequency can be set with up to 10 fixed value between 100kHz-20MHz.

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