



MPL-FN-xxx-L series

LD PUMPED ALL-SOLID-STATE UV LASER

All solid state UV laser is made features of ultra compact, long lifetime, cost -effectiveness and easy operating, which is widely used in UV curing, micro-electronics, CD carving, laser medical treatment, scientific experiment, etc.



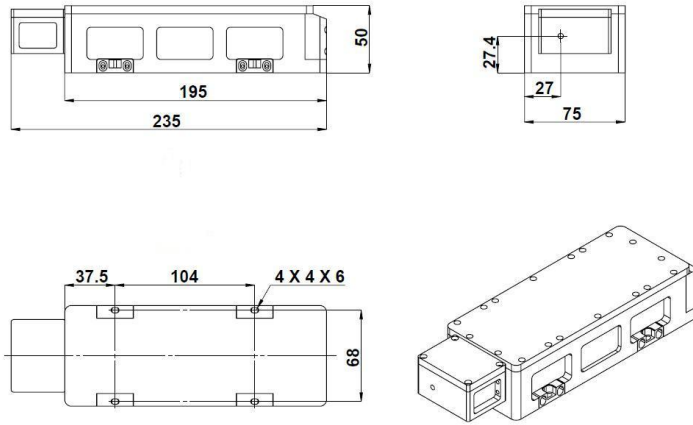
SPECIFICATIONS

Wavelength (nm)	278±1
Operating mode	Frequency conversion of Q-switched pulsed laser
Max average power (mW)*	1~5
Single pulse energy (μJ)	~1
Pulse duration (ns)	~35
Peak power (kW)	~0.02
Rep. rate (kHz)(optional)	4~6kHz (QCW)
Ave power stability (over 4 hours)	<5%, <3%
Transverse mode	Near TEM <sub>00</sub>
M <sup>2</sup> factor	<2.0
Beam diameter at the aperture (mm)	~1.5
Beam divergence, full angle (mrad)	<1.5
Polarization ratio	>50:1, Horizontal (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	27.4
Operating temperature (°C)	10~35
Power supply (90-264VAC)	please consult.
Warranty	1 year
Remarks	Please Note: because of the Walk-off effect of Nonlinear crystals, the beam quality of UV laser is not so good as that of 1064/532nm laser.

\*Average power (mW)= Single pulse energy (μJ)\* Rep. rate(kHz)

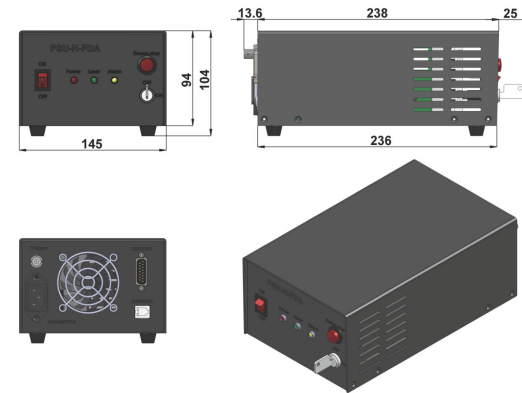
Note: The laser head needs to be used on a heat sink with good heat dissipation.

**LASER HEAD (MPL-FN-278-L)**



235(L)×75(W)×50(H) mm<sup>3</sup>

**POWER SUPPLY (PSU-H-FDA)**



276.6(L)×145(W)×103.6(H) mm<sup>3</sup>, 2.3 kg