



**MPL-Q1 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)	266±1
Operating mode	Frequency conversion of Q-switched pulsed laser
Max average power (mW)*	~10
Single pulse energy (μJ)	~10
Pulse duration (ns)	~1.0
Peak power (kW)	~10
Rep. rate (kHz)	1kHz
Ave power stability (over 4 hours)	<5%, <3%
Transverse mode	Near TEM <sub>00</sub> , elliptical
M <sup>2</sup> factor	<2
Beam diameter at the aperture (mm)	~1.2
Beam divergence, full angle (mrad)	<2
Polarization ratio	>50:1, Horizontal (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	35
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA
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)

LASER HEAD	POWER SUPPLY (PSU-H-LED)	POWER SUPPLY (PSU-H-FDA)
<p data-bbox="383 818 629 842">206(L)×70(W)×55(H) mm<sup>3</sup>, 1.2kg</p>	<p data-bbox="987 818 1272 842">307(L)×150(W)×106(H) mm<sup>3</sup>, 2.9 kg</p>	<p data-bbox="1626 818 1910 842">307(L)×150(W)×106(H) mm<sup>3</sup>, 2.9 kg</p>