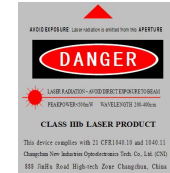




MPL-Q1 series

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	Passively
Max average power (mW) <sup>1</sup>	1-10
Single pulse energy (μJ)	1-10
Pulse duration (ns)	~1.0
Peak power (kW)	1-10
Rep. rate (kHz) <sup>2</sup>	1
Ave power stability (over 4 hours)	<5%, <3%
Transverse mode	Near TEM <sub>00</sub>
M <sup>2</sup>	<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 (100-240VAC)	PSU-Q-FDA/PSU-Q-LED
Expected lifetime (hours)	>10000

LASER HEAD <sup>3</sup>	HEATSINK(OPTIONAL TC-02-FS)
<p style="text-align: center;">206(L)×70(W) ×55(H) mm<sup>3</sup>,1.2kg</p>	<p style="text-align: center;">220(L)×110(W)×47.5(H) mm<sup>3</sup>, 1.25 kg</p>
POWER SUPPLY (PSU-Q-FDA) <sup>4</sup>	POWER SUPPLY (PSU-Q-LED) <sup>5</sup>
<p style="text-align: center;">264.6(L) ×155(W) ×110 (H) mm<sup>3</sup>, 2.3 kg</p>	<p style="text-align: center;">264.6(L) ×155(W) ×110 (H) mm<sup>3</sup>, 2.6kg</p>

- 1.Average power (mW)= Single pulse energy (μJ)\* Rep. rate(kHz)
- 2.One fixed value.
- 2.The laser head needs to be used on a heat sink with good heat dissipation.
- 3.Fixed output power.
- 4.Output power adjustable 10-100%.