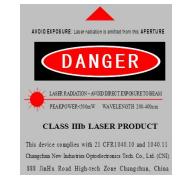




MPL-Q1 series

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%, <10%
Transverse mode	Near TEM ₀₀ , elliptical
M ² factor	<2
Beam diameter at the aperture (mm)	~1.2
Beam divergence, full angle (mrad)	<2
Polarization ratio	>50:1, (Horizontal or 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
Expected lifetime (hours)	5000
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>206(L)×70(W)×55(H) mm³, 1.2kg</p>	<p>307(L)×150(W)×106(H) mm³, 2.9 kg</p>	<p>307(L)×150(W)×106(H) mm³, 2.9 kg</p>

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