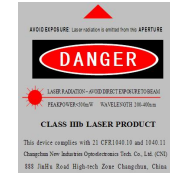




MPL-Q series

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		355±1	
Operating mode	Frequency conversion of Q-switched pulsed laser			
Max average power (mW)*	1~30		1~150	
Single pulse energy (μJ)	1~3		1~15	
Pulse duration (ns)	~1.3	~4	~1.3	~4
Peak power (kW)	0.8~2.3	0.25~0.75	0.8~11.5	0.25~3.75
Rep. rate (kHz)	INT FIXED (One internal fixed rep.rate)	3k-5kHz (Optional)		
	EXT TRIG (External triggered)	3k-5kHz		
	QCW	Between 9k-12kHz		
Ave power stability (over 4 hours)	<5%, <10%			
Transverse mode	Near TEM ₀₀ , Elliptical			
M ² factor	<2			
Beam diameter at the aperture (mm)	~1.0			
Beam divergence, full angle (mrad)	/			
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)

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

LASER HEAD	POWER SUPPLY (PSU-H-LED)	POWER SUPPLY (PSU-H-FDA)
<p>226(L)×70(W)×55(H) mm³, 1.3kg</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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