

MPL-W-355/15~40uJ/400~1000mW

LD PUMPED ALL-SOLID-STATE UV LASER

All solid state 355nm UV laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in UV curing, micro-electronics, CD carving, laser medical treatment, scientific experiment, etc.



SPECIFICATIONS

Wavelength (nm)	355 ± 1
Output average power (mW)	400~1000
Transverse mode	Near TEM ₀₀
Operating mode	Pulsed , Cr:YAG Passively Q-switched
Single pulse energy (μJ)	15~40
Pulse duration (ns)	~10
Peak power (kW)	1.5~4
Rep. rate (kHz)	Undefined rep. rate among 20k-35kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.
Average power (mW)	Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz)
Ave power stability (over 4 hours)	<5%, <10%
Pointing stability after warm-up (mrad)	<0.05
Warm-up time (minutes)	<10
Beam height from base plate (mm)	93.5
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-W-FDA
Cooling system	Cooled by TEC and air, no water needed.
Expected lifetime (hours)	8000
Warranty period	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.



MxL-W -355	Dimensions	PSU-W-FDA	Dimensions
<p>333(L)×140(W) ×125(H) mm³, 6.1 kg</p>		<p>307 (L) ×168(W) ×123(H) mm³, 5.1 kg</p>	