

## LD Pumped All-solid-state 257 nm UV Laser MPL-N-257

**Model #:** MPL-N-257

**Description:** LD pumped all solid state 257 nm UV laser features ultra-compact, long lifetime, cost-effective, and easy operation



**Application:** UV curing, micro-electronics, CD carving, laser medical treatment, lab applications etc.

### Specifications

Wavelength (nm)	257 ± 1
Output Power (mW)	1 ~ 15
Transverse Mode	Near TEM <sub>00</sub> , elliptical
Operating Mode	Cr:YAG passively Q- switched pulse laser
Pulse Energy (μJ)	0.1 ~ 4
Pulse Duration (ns)	~10
Peak Power (W)	~ 400
Repetition Rates (KHz)	QCW state with one rep. rate between 2kHz-5kHz
Average Power (mW)	Pulse energy (uJ) x rep. rate (kHz)
Average power stability (over 4 hrs.)	<10%, <5%, <3%
Warm-up Time (minutes)	<10
Beam Height from Base Plate (mm)	70
Beam Parameters	Elliptical 4:1; beam diameter ~0.5 x 2mm
Operating Temperature (C°)	10-35
Power Supply (90-264VAC)	PSL-H-FDA
Cooling System	Air cooling
Expected Life Time (hrs.)	5000
Warranty Period	1 year

### Ordering Information: MPL-N-257-A-B

A:pulse energy	B:power stability
1 – 1 μJ	10 – 10%
2 – 2 μJ	5 – 5%
3 – 3 μJ	3 – 3%
4 – 4 μJ	

MPL-N-257	PSU-H-FDA
 <p data-bbox="448 464 740 485">321 (L) × 99 (W) × 94 (H) mm<sup>3</sup>, 3.215 kg</p>	 <p data-bbox="938 464 1219 485">307 (L) × 150 (W) × 106 (H) mm<sup>3</sup>, 1.5kg</p>
