

**MPL-H-660**/1~5uJ/1-10mW



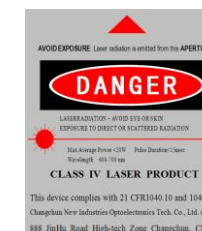
### LD PUMPED ALL-SOLID-STATE Q-SWITCHED LASER AT 660 nm

All solid state Q-switched laser at 660 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in medical, scientific research, industry, etc.

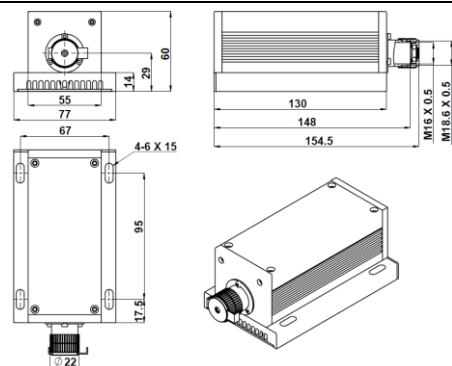


### SPECIFICATIONS

|  |   |   |
|--|---|---|
| Central wavelength (nm)                | 660±1   |   |
| Operating mode                         | Q-switched pulsed laser   |   |
| Single pulse energy (μJ)               | 1~5   |   |
| Pulse duration (ns)                    | ~15   |   |
| Peak power (W)                         | 70~330  |   |
| Rep. rate (kHz)                        | Controllable  | Specified One rep. rate, such as 1k, 2kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period).<br>Different rep. rate in the range of 1Hz-2kHz can be obtained by input an external TTL signal. |
|  | Uncontrollable  | Undefined rep. rate among 2k-3kHz 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)     | <1%, <3%, <5%   |   |
| Transverse mode                        | TEM <sub>00</sub>   |   |
| Warm-up time (minutes)                 | <10   |   |
| M <sup>2</sup> factor                  | <1.2  |   |
| Beam divergence, full angle (mrad)     | <1.5  |   |
| Beam diameter at 1/e <sup>2</sup> (mm) | ~1.2  |   |
| Beam height from base plate (mm)       | 24.8  |   |
| Operating temperature (°C)             | 10~35   |   |
| Power supply (90-264VAC)               | PSU-H-FDA   |   |
| Expected lifetime (hours)              | 10000   |   |
| Warranty period                        | 1 year  |   |

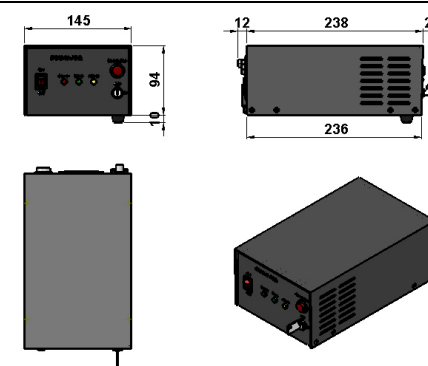


MxL-H-660



154.5(L)×77(W) ×60(H) mm<sup>3</sup>, 0.9 kg

PSU-H-FDA



236(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg