

SPECIFICATIONS

**MPL-H-266**/0.1~4uJ/1~30mW

## **PDF DATA SHEET**

EFORCEAUSTRALIA PTY.LTD ACN:159 503 401

|  | SFECIFICATIONS                     |   |   |   |  |
|--|------------------------------------|---|---|---|--|
| <b>DEDUCTION ALL-SOLID-STATE</b><br>UVLASERAll solid state 266 nm UV laser is<br>made features of ultra compact, long<br>lifetime, low cost and easy operating,<br>which is widely used in UV curing,<br>micro-electronics, CD carving, laser<br>medical treatment, scientific experiment,<br>etc.Image: Image: I | Wavelength (nm)                    |   | 266±1   |   |  |
|  | Output average power (mW)          |   | 1~30  |   |  |
|  | Transverse mode                    |   | Near TEM <sub>00</sub>  |   |  |
|  | Operating mode                     |   | Q-switched pulsed laser   |   |  |
|  | Single pulse energy (µJ)           |   | 0.1~4   |   |  |
|  | Pulse duration (ns)                |   | 1.3   |   | Sul  |
|  | Peak power(kW)                     |   | ~3  |   |  |
|  | Rep. rate (kHz)                    | Controllable                                      | Fixed rep. rate, such as 1k, 2k, 3k, 4kHz, peak, duration and period).                          | with stable laser pulses emitting (stable pulse energy,   | 7715   |
|  |                                    |   | Different rep. rate in the range of 1kHz-4kI  | Hz can be obtained by input an external TTL signal.       |  |
|  |                                    | Uncontrollable                                    | Undefined rep. rate among 5k-7kHz an applications only needing high peak power                  | d unstable laser pulse emitting. Suitable for the pulses. |  |
|  | Average power (mW)                 |   | Average power (mW) = Single pulse energy ( $\mu$ J) * Rep. rate (kHz)                           |   |  |
|  | Ave power stability (over 4 hours) |   | <5%, <10%   |   |  |
|  | Warm-up time (minutes)             |   | <10   |   | AVODE/POBLIFE Laternation a embed to   |
|  | M <sup>2</sup> factor              |   | <1.5  |   |  |
|  | Spectral purity                    |   | >99%  |   |  |
|  | Beam parameters                    |   | Elliptical (4:1), Beam spot ~2mm  |   | ALASERADICEN-AVOID DES   |
|  | Polarization ratio                 |   | >100:1  |   | THEATOME SOME WALLEN   |
|  | Beam height from base plate (mm)   |   | 45  |   | CLASS IIIb LASER PI  |
|  | Operating temperature (°C)         |   | 10~35   |   | The device complex web 21 CFP. 1940 1<br>Changelize New Industries Optiolectrons Tie<br>666 Changelize Pd., Changelize, PJ |
|  | Power supply (90-264VAC)           |   | PSU-H-FDA   |   | we categori na, categori, ri   |
|  | Expected lifetime (hours)          |   | 10000   |   |  |
|  | 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 t                |   | is not so good as that of 1064/532nm laser.   |   |  |
| MxL-H-266  |                                    |   | PSU-H-FDA UV prism  |   |  |
| (with 266/532/1064 nm laser incl   | uded)                              |   | 1 88-11-1 DA  |   |  |
| 153(L)×77(W) ×60(H) mm <sup>3</sup> , 0.9 kg   |                                    | 238 (L) ×146(W) ×102 (H) mm <sup>3</sup> , 2.3 kg |   |   |  |
|  | e                                  | 146   |   |   |  |
|  |                                    |   |   | 20mm<br>20mm<br>20mm                                      |  |
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