

Your source for high quality, affordable lasers

## **DATA SHEET**

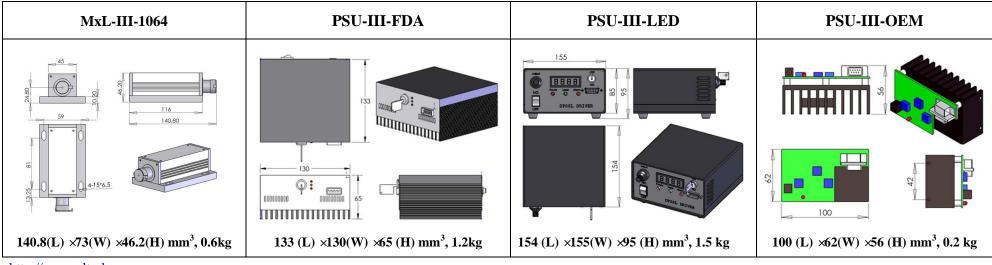
## LOW NOISE INFRARED LASER AT 1064nm

All solid state low noise infrared laser at 1064nm is made features of ultra-compact, long lifetime, low cost and easy operating, which is used in scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis,, etc.

| ISO FDA | ROHS | CE | JQA | <b>())</b> |
|---------|------|----|-----|------------|
|---------|------|----|-----|------------|

Model: MLL-III-1064/1~1500mW

| Wavelength ( nm )                       | 1064 ±1nm            | 1064 ±1nm             |             |  |  |
|---|----------------------|-----------------------|-------------|--|--|
| Output Power ( mW )                     | >100, 200, 300,      | >100, 200, 300,, 1500 |             |  |  |
| Laser crystal                           | Nd: YVO <sub>4</sub> | Nd: YVO <sub>4</sub>  |             |  |  |
| Transverse Mode                         | TEM <sub>00</sub>    | TEM <sub>00</sub>     |             |  |  |
| Operating mode                          | CW                   | CW                    |             |  |  |
| Power stability (rms, over 4 hours)     | <1%, <3%, <5%        | <1%, <3%, <5%         |             |  |  |
| Noise of amplitude (rms, 20Hz~20MHz)    | <1%                  | <1%                   |             |  |  |
| Warm-up time (minutes)                  | <10                  | <10                   |             |  |  |
| $M^2$ factor                            | <1.5                 | <1.5                  |             |  |  |
| Beam divergence, full angle (mrad)      | <1.5                 | <1.5                  |             |  |  |
| Beam diameter at 1/e <sup>2</sup> (mm)  | ~1.5                 | ~1.5                  |             |  |  |
| Beam height from base plate (mm)        | 24.8                 | 24.8                  |             |  |  |
| Polarization ratio                      | >100:1               | >100:1                |             |  |  |
| Pointing stability after warm-up (mrad) | < 0.05               | <0.05                 |             |  |  |
| Operating temperature (°C)              | 10~35                | 10~35                 |             |  |  |
| Power supply (90-264VAC or 5VDC)        | PSU-III-FDA          | PSU-III-LED           | PSU-III-OEM |  |  |
| Expected lifetime (hours)               | 10,000               | 10,000                |             |  |  |
| Warranty period                         | 1 year               | 1 year                |             |  |  |



http://www.ultralasers.com