

**MLL-H-1319/600~1500mW**

**LOW NOISE INFRARED LASER  
AT 1319 nm**





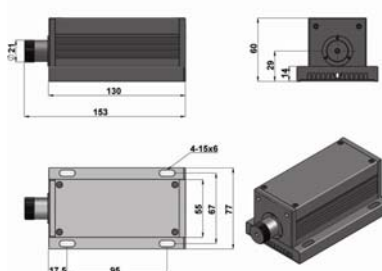
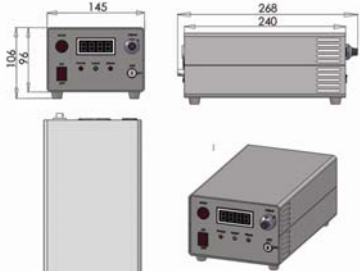
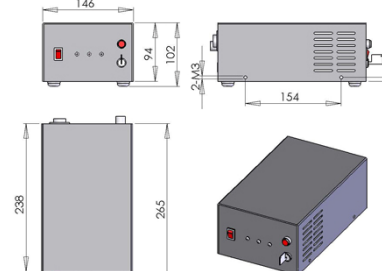
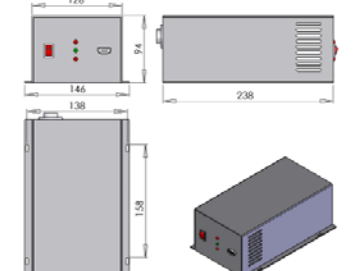
All solid state low noise infrared laser at 1319 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



**SPECIFICATIONS**

|   |                           |           |           |
|---|---------------------------|-----------|-----------|
| Wavelength (nm)                         | 1319±1                    |           |           |
| Output power (mW)                       | >600, 700, 800, ... ,1500 |           |           |
| Laser crystal                           | Nd:YAG                    |           |           |
| Transverse mode                         | Near TEM <sub>00</sub>    |           |           |
| Operating mode                          | CW                        |           |           |
| Power stability (rms, over 4 hours)     | <1%, <3%, <5%             |           |           |
| Noise of amplitude (rms, 20Hz~20MHz)    | <1%                       |           |           |
| Warm-up time (minutes)                  | <10                       |           |           |
| M <sup>2</sup> factor                   | <2.0                      |           |           |
| Beam divergence, full angle (mrad)      | <2.0                      |           |           |
| Beam diameter at the aperture (mm)      | ~3.0                      |           |           |
| Beam height from base plate (mm)        | 29                        |           |           |
| Pointing stability after warm-up (mrad) | <0.05                     |           |           |
| Operating temperature (°C)              | 10~35                     |           |           |
| Power supply (90-264VAC)                | PSU-H-LED                 | PSU-H-FDA | PSU-H-OEM |
| Expected lifetime (hours)               | 10000                     |           |           |
| Warranty period                         | 1 year                    |           |           |



| MxL-H-1319  | PSU-H-LED   | PSU-H-FDA   | PSU-H-OEM  |
|---|---|---|--|
| <br>153(L)×77(W)×60(H) mm <sup>3</sup> , 0.9 kg | <br>268(L)×145(W)×106(H) mm <sup>3</sup> , 2.6 kg | <br>238 (L) ×146(W) ×102 (H) mm <sup>3</sup> , 2.3 kg | <br>238 (L) ×146(W) ×94 (H) mm <sup>3</sup> , 2.2 kg |
|    |   |    |   |