

MRL-F-671/1~1.5W



**LD PUMPED ALL-SOLID-STATE  
RED LASER AT 671nm**

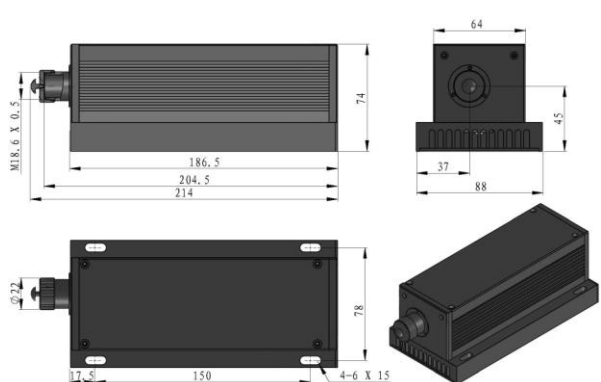
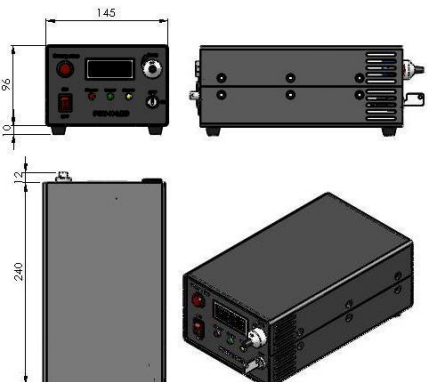
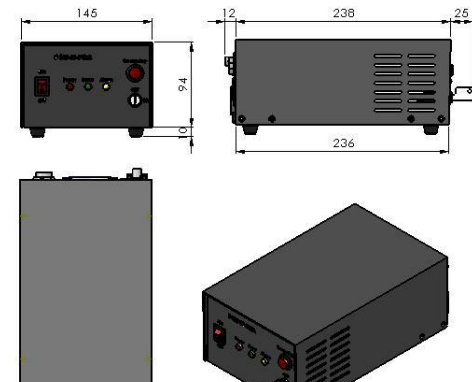
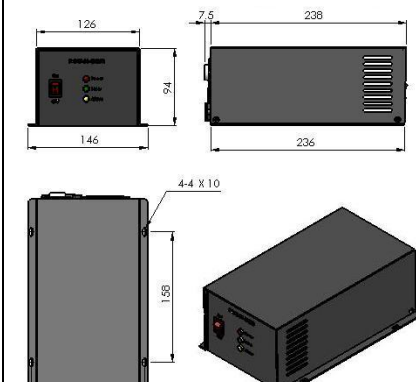
All solid state 671nm Red laser is made features of ultra compact, long lifetime, and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.



SPECIFICATIONS

|   |  |           |           |
|---|--|-----------|-----------|
| Wavelength (nm)                                       | 671 ±1   |           |           |
| Operating mode  | CW   |           |           |
| Output power (W)                                      | >1, 1.1, 1.2, ..., 1.5                                       |           |           |
| Power stability (rms, over 4 hours)                   | <1%, <2%, <3%, <5%   |           |           |
| Transverse mode                                       | TEM <sub>00</sub>  |           |           |
| M <sup>2</sup> factor                                 | <1.2   |           |           |
| Beam divergence, full angle (mrad)                    | <2.0   |           |           |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | ~3.0   |           |           |
| Warm-up time (minutes)                                | <10  |           |           |
| Polarization ratio                                    | >100:1   |           |           |
| Pointing stability after warm-up (mrad)               | <0.05  |           |           |
| Beam height from base plate (mm)                      | 45   |           |           |
| Operating temperature (°C)                            | 10~35  |           |           |
| Power supply (90-264VAC)                              | PSU-H-LED  | PSU-H-FDA | PSU-H-OEM |
| TTL / Analog modulation                               | TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional |           |           |
| Expected lifetime (hours)                             | 10000  |           |           |
| Warranty period                                       | 1 year   |           |           |



| MRL-F-671  | PSU-H-LED   | PSU-H-FDA  | PSU-H-OEM   |
|--|---|--|---|
|  <p>214 (L) ×88 (W) ×74 (H) mm<sup>3</sup>, 1.6 kg</p> |  <p>277 (L) ×145 (W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p> |  <p>275 (L) ×146 (W) ×104 (H) mm<sup>3</sup>, 2.4 kg</p> |  <p>238 (L) ×146 (W) ×94 (H) mm<sup>3</sup>, 2.2 kg</p> |