

MIL-F-1030/1~600mW



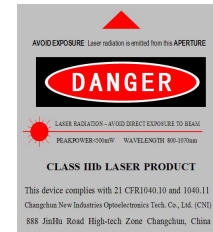
**LD PUMPED ALL-SOLID-STATE  
INFRARED LASER AT 1030 nm**

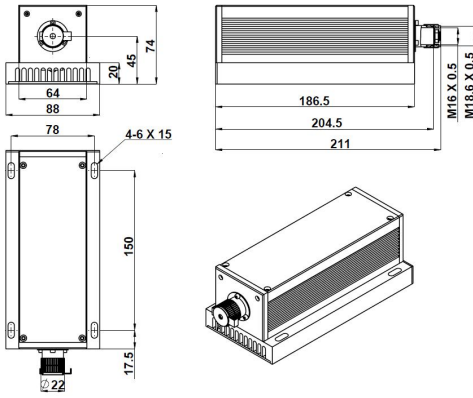

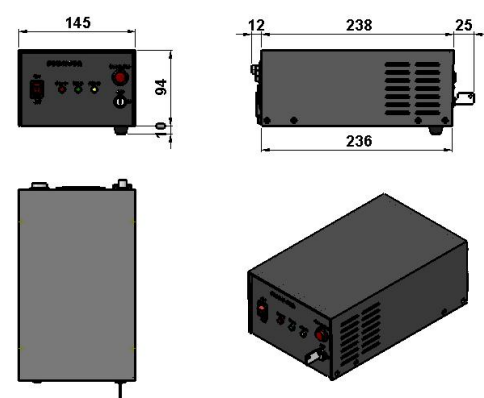
All solid state 1030 nm infrared laser is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in scientific experiment, laser fluorescence, etc.



SPECIFICATIONS

|   |                     |                |
|---|---------------------|----------------|
| Central wavelength (nm)                             | 1030±2              |                |
| Operating mode                                      | CW                  |                |
| Output power (mW)                                   | >1, 5, 10, ..., 100 | >100, ..., 600 |
| Power stability (rms, over 4 hours)                 | <1%, <2%, <3%, <5%  | <5%, <10%      |
| Transverse mode                                     | TEM <sub>00</sub>   |                |
| M <sup>2</sup> factor                               | <1.5                | <2             |
| Beam diameter at the aperture 1/e <sup>2</sup> (mm) | ~3.0                |                |
| Beam divergence, full angle (mrad)                  | <2.0                |                |
| Warm-up time (minutes)                              | <10                 |                |
| Pointing stability after warm-up (mrad)             | <0.05               |                |
| Beam height from base plate (mm)                    | 45                  |                |
| Operating temperature (°C)                          | 10~35               |                |
| Power supply (80-264VAC)                            | PSU-H-LED/PSU-H-FDA |                |
| Expected lifetime (hours)                           | 10000               |                |
| Warranty period                                     | 1 year              |                |



| MIL-F-1030   | PSU-H-LED  | PSU-H-FDA   |
|--|--|---|
|  <p>211 (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)×145(W)×104(H) mm<sup>3</sup>, 2.3 kg</p> |