

### MIL-F-1940/1~1000mW

#### SPECIFICATIONS




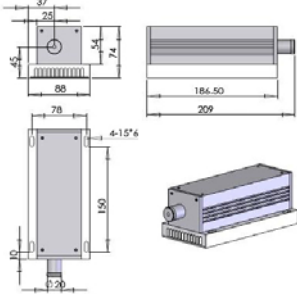
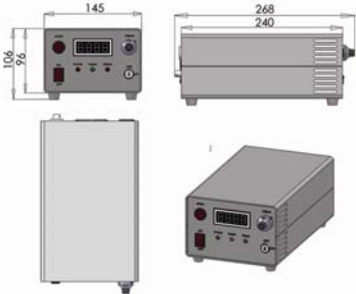
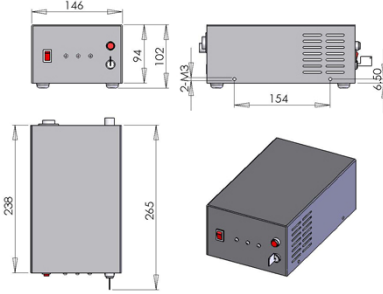
### LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1940nm

All solid state infrared laser module at 1940nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



|                                     |                        |           |
|-------------------------------------|------------------------|-----------|
| Wavelength (nm)                     | 1940±1                 |           |
| Output power (mW)                   | >1, 2, 3, ..., 1000    |           |
| Transverse mode                     | Near TEM <sub>00</sub> |           |
| Operating mode                      | CW                     |           |
| Power stability (rms, over 4 hours) | <3%, <5%, <10%         |           |
| Warm-up time (minutes)              | <10                    |           |
| M <sup>2</sup> factor               | <4                     |           |
| Beam divergence, full angle (mrad)  | <8                     |           |
| Beam diameter at the aperture (mm)  | <4                     |           |
| Beam height from base plate (mm)    | 45                     |           |
| Polarizaion ratio                   | ~500:1                 |           |
| Spectral linewidth(mm)              | 5                      |           |
| Operating temperature (°C)          | 10~35                  |           |
| Power supply (90-264VAC)            | PSU-H-LED              | PSU-H-FDA |
| Expected lifetime (hours)           | 10000                  |           |
| Warranty period                     | 1 year                 |           |



| MxL-F-1940  | PSU-H-LED  | PSU-H-FDA   |
|---|--|---|
|  <p>209(L)×88(W)×74(H) mm<sup>3</sup>, 1.6 kg</p> |  <p>268 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p> |  <p>238 (L) ×146(W) ×102 (H) mm<sup>3</sup>, 2.3 kg</p> |
|    |    |    |