

MIL-F-1990/1~600mW

### LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1990nm

All solid state infrared laser at 1990nm is made features of ultra compact, long lifetime and easy operating, which is used in Ho:YAG laser pumping, medical, scientific research, etc.



#### SPECIFICATIONS

|  |                        |           |
|--|------------------------|-----------|
| Wavelength (nm)                                      | 1990±2                 |           |
| Operating mode                                       | CW                     |           |
| Output power (mW)                                    | >1, 2, 3, ..., 600     |           |
| Power stability (rms, over 4 hours)                  | <1%, <2%, <3%, <5%     |           |
| Transverse mode                                      | Near TEM <sub>00</sub> |           |
| Polarizaion ratio                                    | ~500:1                 |           |
| M <sup>2</sup> factor                                | <4                     |           |
| Beam divergence, full angle (mrad)                   | <8                     |           |
| Beam diameter at the aperture (1/e <sup>2</sup> ,mm) | <3                     |           |
| Beam height from base plate (mm)                     | 45                     |           |
| Warm-up time (minutes)                               | <10                    |           |
| Operating temperature (°C)                           | 15~30                  |           |
| Power supply (90-264VAC)                             | PSU-H-LED              | PSU-H-FDA |
| Expected lifetime (hours)                            | 10000                  |           |
| Warranty period                                      | 1 year                 |           |



| MIL-F-1990                                       | PSU-H-LED  | PSU-H-FDA  |
|--|--|--|
| <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> |