

MIL-H-914/500~800mW

### LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 914nm

All solid state infrared laser at 914nm 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)                         | 914±1                    |           |           |
| Output power (mW)                       | >500, 550, 600, ... ,800 |           |           |
| Transverse mode                         | Near TEM <sub>00</sub>   |           |           |
| Operating mode                          | CW                       |           |           |
| Power stability (rms, over 4 hours)     | <5%, <10%                |           |           |
| 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                       |           |           |
| Polarization ratio                      | >100:1                   |           |           |
| 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-914  | PSU-H-LED  | PSU-H-FDA  | PSU-H-OEM   |
|--|--|--|---|
| <p>153(L)×77(W)×60(H) mm<sup>3</sup>, 0.9 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> | <p>238(L)×146(W)×94(H) mm<sup>3</sup>, 2.2 kg</p> |
|  |  |  |   |