

MLL-III-395/1~100mW

### LOW NOISE VIOLET DIODE LASER AT 395nm

Low noise violet diode laser module at 395nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



### SPECIFICATIONS

|  |  |             |
|--|--|-------------|
| Wavelength (nm)                                      | 395 ±10  |             |
| Operating mode                                       | CW   |             |
| Output power (mW)                                    | >1, 10, 20, ..., 100   |             |
| Power stability (rms, over 4 hours)                  | <1%, <3%, <5%  |             |
| Transverse mode                                      | Near TEM <sub>00</sub>                                       |             |
| Noise of amplitude(rms,20Hz~20MHz)                   | <1%  |             |
| Beam diameter at the aperture (1/e <sup>2</sup> ,mm) | ~2.5   |             |
| Beam divergence, full angle (mrad)                   | 0.5  |             |
| Warm-up time (minutes)                               | <5   |             |
| Pointing stability after warm-up (mrad)              | <0.05  |             |
| Beam height from base plate (mm)                     | 24.8   |             |
| Operating temperature (°C)                           | 10~35  |             |
| Power supply (85-264VAC)                             | PSU-III-LED  | PSU-III-FDA |
| TTL / Analog modulation                              | TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional |             |
| Expected lifetime (hours)                            | 10000  |             |
| Warranty   | 1 year   |             |

