

MBL-III-473/1~50mW



LD PUMPED ALL-SOLID-STATE
BLUE LASER

All solid state 473nm blue laser is made features of ultra compact, long lifetime, cost -effectiveness and easy operating, which is used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.



SPECIFICATIONS

| | |
|---|---|
| Central wavelength (nm) | 473 ± 1 |
| Operating mode | CW |
| Output power (mW) | >1, 5, 10, ... , 50 |
| Power stability (rms, over 4 hours) | <1%, <2%, <3% |
| Transverse mode | TEM ₀₀ |
| M ² factor | <1.2 |
| Beam diameter at the aperture 1/e ² (mm) | ~1.2 |
| Beam divergence, full angle (mrad) | <1.2 |
| Polarization ratio | >100:1, Vertical±5 degree (Horizontal Optional) |
| Noise of amplitude (rms, 1~20MHz) | ~3% |
| Warm-up time (minutes) | <10 |
| Beam height from base plate (mm) | 24.8 |
| Operating temperature (°C) | 10~35 |
| Power supply (90-264VAC or 5VDC) | PSU-III-LED/PSU-III-FDA/PSU-III-OEM-97 |
| Modulation option | TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option |
| Expected lifetime (hours) | 10000 |
| Warranty period | 1 year |



| MBL-III-473 | PSU-III-LED | PSU-III-FDA | PSU-III-OEM-97 |
|--|--|--|---|
| <p>140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p> | <p>188 (L) × 155(W) × 92 (H) mm³, 1.5kg</p> | <p>171 (L) × 130(W) × 62.2 (H) mm³, 1.2kg</p> | <p>94(L) × 75(W) × 49(H) mm³, 0.23kg</p> |