



MGL-III-588/1~50mW



LD PUMPED ALL-SOLID-STATE
YELLOW LASER AT 588nm

All solid state laser at 588nm is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



SPECIFICATIONS

| | | | |
|---|---|-------------|----------------|
| Central wavelength (nm) | 588±2 | | |
| Operating mode | CW | | |
| Output power (mW) | >1, 2, 10, ...,50 | | |
| Power stability (rms, over 4 hours) | <3% , <5% , <10% | | |
| Transverse mode | TEM ₀₀ | | |
| M ² factor | <1.5 | | |
| Beam diameter at the aperture 1/e ² (mm) | ~1.2 | | |
| Beam divergence, full angle (mrad) | <1.5 | | |
| Warm-up time (minutes) | <10 | | |
| Pointing stability after warm-up (mrad) | <0.05 | | |
| Beam height from base plate (mm) | 24.8 | | |
| Polarization ratio | >100:1, Horizontal±5 degree (Vertical Optional) | | |
| 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 | 1 year | | |



| MxL-III-588 | PSU-III-LED | PSU-III-FDA | PSU-III-OEM-97 |
|--|---|---|--|
| <p>140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p> | <p>153 (L) × 155 (W) × 92 (H) mm³, 1.5kg</p> | <p>133 (L) × 130 (W) × 62.2 (H) mm³, 1.2kg</p> | <p>94 (L) × 75 (W) × 49 (H) mm³, 0.23kg</p> |