



MIL-III-1177/1~150mW



**LD PUMPED
ALL-SOLID-STATE INFRARED
LASER AT 1177nm**

All solid state infrared laser at 1177nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis, etc.



SPECIFICATIONS

| | |
|---|---|
| Wavelength (nm) | 1177±1 |
| Output power (mW) | >1,5,10...150 |
| Transverse mode | TEM ₀₀ |
| Operating mode | CW |
| Power Stability (rms,over 4 hours) | <3%, <5%, <10% |
| Warm-up Time (minutes) | <10 |
| M ² factor | <1.5 |
| Beam divergence,full angle (mrad) | <1.5 |
| Beam Diameter at the aperture (mm) | ~1.5 |
| Beam height from base plate (mm) | 24.8 |
| Pointing stability after warm-up (mrad) | <0.05 |
| Polarization ratio | > 100:1 (vertical) |
| 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 |



| MIL-III-1177 | 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> |