



MIL-III-1444/1~400mW



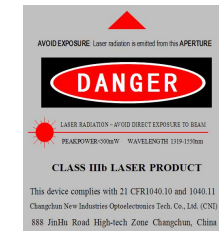
**LD PUMPED ALL-SOLID-STATE
INFRARED LASER AT 1444nm**

All solid state infrared laser 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) | 1444±2 | |
| Output power (mW) | >1, 5, 10, 20, ... , 200 | >200, ... , 400 |
| Transverse mode | Near TEM ₀₀ | |
| Operating mode | CW | |
| Power stability (rms, over 4 hours) | <2%, <3%, <5% | <3%, <5% |
| Warm-up time (minutes) | <10 | |
| M ² factor | <1.5 | |
| Beam divergence, full angle (mrad) | <1.5 | |
| Beam diameter at 1/e ² (mm) | ~1.5 | |
| Beam height from base plate (mm) | 24.8 | |
| Pointing stability after warm-up (mrad) | <0.05 | |
| 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-1444 | 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> |