



MIL-III-1112/1~100mW

LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1112nm

All solid state infrared laser at 1112nm 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) | 1112 ± 3 | | |
| Output power (mW) | >1, 5, 10...100 | | |
| 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 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 |
| Modulation option | TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option | | |
| Expected lifetime (hours) | 10000 | | |
| Warranty | 1 year | | |



| MxL-III-1112 | PSU-III-LED | PSU-III-FDA | PSU-III-OEM |
|---|--|--|---|
| <p>140.8(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) ×65 (H) mm³, 1.2kg</p> | <p>100 (L) ×62(W) ×56 (H) mm³, 0.2kg</p> |
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