



MLL-III-1064/1~1500mW



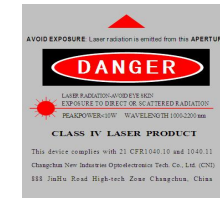
LOW NOISE INFRARED DIODE LASER AT 1064nm

Low noise infrared diode laser at 1064nm features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, spectrum analysis, etc.



SPECIFICATIONS

| | | |
|---|---|-------------------|
| Wavelength (nm) | 1064±1 | |
| Operating mode | CW | |
| Output power (mW) | >1, 5, 10, 20, ... , 1000 | >1000, ... , 1500 |
| Power stability (rms, over 4 hours) | <1%, <2%, <3% | <2%, <3% |
| Transverse mode | TEM ₀₀ | |
| Warm-up time (minutes) | <10 | |
| M ² factor | <1.5(<1.2 optional) | <1.5 |
| Noise of amplitude(rms,20Hz~20MHz) | <1% | |
| Beam divergence, full angle (mrad) | <1.5 | |
| Beam diameter at 1/e ² (mm) | ~1.5 | |
| Beam height from base plate (mm) | 24.8 | |
| Polarization ratio | >100:1, Horizontal±5 degree (Vertical Optional) | |
| Pointing stability after warm-up (mrad) | <0.05 | |
| Operating temperature (°C) | 10~35 | |
| Power supply (90-264VAC or 5VDC) | 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 | |



| MLL-III-1064 | PSU-III-FDA | PSU-III-OEM-97 |
|--|---|--|
| <p>140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p> | <p>171 (L) × 130 (W) × 62.2 (H) mm³, 1.2kg</p> | <p>94(L)×75(W)×49(H)mm³, 0.23kg</p> |