

MLL-III-454L/1~80mW

LOW NOISE BLUE DIODE LASER AT 454 nm

Low noise blue diode laser module at 454nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific research, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

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|--|---|-------------|
| Wavelength (nm) | 454±5 | |
| Operating mode | CW | |
| Output power (mW) | >1, 10, 20, ..., 80 | |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% | |
| Transverse mode | Near TEM ₀₀ | |
| Noise of amplitude(rms,20Hz~20MHz) | <1% | |
| M ² factor | <1.5 | |
| Beam diameter at the aperture (1/e ² ,mm) | ~2.5 | |
| Beam divergence, full angle (mrad) | <1 | |
| Polarization ratio | >50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional) | |
| Warm-up time (minutes) | <5 | |
| Pointing stability after warm-up (mrad) | <0.05 | |
| Beam height from base plate (mm) | 24.8 | |
| Operating temperature (°C) | 10~35 | |
| Power supply (85-264VAC) | PSU-III-LED | PSU-III-FDA |
| TTL / Analog modulation | TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional | |
| Expected lifetime (hours) | 10000 | |
| Warranty | 1 year | |

