



MLL-III-870L/1~10mW



LOW NOISE INFRARED DIODE LASER AT 870nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

| | | |
|---|--|--|
| Central wavelength (nm) | 870±10 | |
| Operating mode | CW | |
| Output power (mW) | >1, 2, 3, ..., 10 | |
| Power stability (rms, over 4 hours) | <1%, <2%, <3% (<0.5%, optional) | |
| Transverse mode | Near TEM ₀₀ | |
| Noise of amplitude(rms,20Hz~20MHz) | <1% | |
| Dimensions of beam at the aperture (1/e ² ,mm) | ~4.0 | |
| Beam divergence, full angle (mrad) | <1.0 | |
| Polarization ratio | >50:1 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 (Frequency for 1Hz-30kHz) |
| | 100-240VAC | PSU-A-D (Frequency for 30kHz -100kHz) |
| TTL / Analog modulation | TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional | |
| Expected lifetime (hours) | 10000 | |
| Warranty | 1 year | |



| MLL-III-870L | PSU-III-LED | PSU-III-FDA | PSU-A-D |
|---|--|---|---|
| <p>143.5(L)×73(W)×46.2(H) mm³, 0.7kg</p> | <p>188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg</p> | <p>171(L) ×130(W) ×62.2 (H) mm³, 1.2kg</p> | <p>162(L) ×144(W) ×70 (H) mm³, 1.0kg</p> |