



MLL-III-885L/1~10mW



**LOW NOISE INFRARED DIODE
LASER AT 885nm**

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



SPECIFICATIONS

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| Central wavelength (nm) | 885±10 |
| Operating mode | CW |
| Output power (mW) | >1, 2, 3, ..., 10 |
| Power stability (rms, over 4 hours) | <3%, <2%, <1%, <0.5% |
| Transverse mode | Near TEM ₀₀ |
| Noise of amplitude(rms, 1Hz~20MHz) | <1% |
| M ² factor | ~1.5 (~1.2, optional) |
| Beam diameter at the aperture (1/e ² ,mm) | ~3.5 (~1.2, optional) |
| Beam divergence, full angle (mrad) | <1.0 |
| 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 (Frequency for 1Hz-30kHz) |
| | 100-240VAC PSU-A-D (Frequency for 30kHz -100kHz) |
| Modulation optional | TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz; and Analog modulation optional |
| Expected lifetime (hours) | 10000 |
| Warranty | 1 year |



| MLL-III-885L | PSU-III-LED | PSU-III-FDA | PSU-A-D |
|---|---|--|--|
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| 143.5(L)×73(W)×46. 2(H) mm ³ , 0.7kg | 188.6 (L)×155(W)×92 (H) mm ³ , 1.5kg | 171(L)×130(W)×62.2 (H) mm ³ , 1.2kg | 162(L)×144(W)×70 (H) mm ³ , 1.0kg |