Opto Engine LLC

MLL-W-1342/4~6W



LOW NOISE INFRARED LASER AT 1342nm

All solid state low noise infrared laser at 1342nm is made features of ultra compact, long lifetime and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

| Wavelength (nm) | 1342 ± 1 | |
|---|--|-----------|
| Operating mode | CW | |
| Output power (W) | >4, 4.5, 5,, 6 | |
| Power stability (rms, over 4 hours) | <1%, <2%, <3%, <5% | |
| Transverse mode | Near TEM ₀₀ | |
| Noise of amplitude (rms, 1~20MHz) | <1% | |
| M ² factor | 3~6 | |
| Beam divergence, full angle (mrad) | <2.0 | |
| Beam diameter at the aperture (1/e ² , mm) | ~5.0 | |
| Warm-up time (minutes) | <10 | |
| Polarization ratio | >100:1 | |
| Beam height from base plate (mm) | 93.5 | |
| Operating temperature ($^{\circ}$ C) | 10~35 | |
| Power supply (90-264VAC) | PSU-W-LED | PSU-W-FDA |
| TTL / Analog modulation | TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional | |
| Expected lifetime (hours) | 10000 | |
| Warranty period | 1 year | |





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MLL-W-1342 **PSU-W-LED** PSU-W-FDA 287 168 104 300 b • 124. 70 297 140 339 4-8X5 116 344.5 150 307 125 SX15 344.5 (L) ×140 (W) ×124.3 (H) mm³, 5.7 kg 336 (L) ×168 (W) ×133 (H) mm³, 4.6 kg 307 (L) ×168 (W) ×123 (H) mm³, 4.5 kg

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Data sheet

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