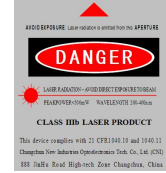


MLL-U series



ULTRA- LOW NOISE DPSS LASER

Ultra low noise laser is made features of ultra compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.

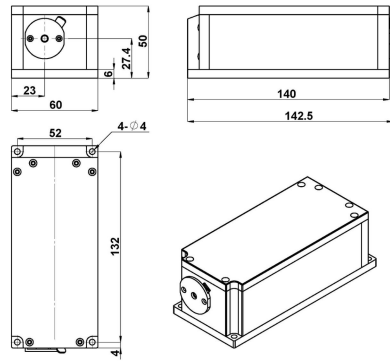


SPECIFICATIONS

| | | | | | | | | |
|---|--|----------|---------------|---------------|----------|---------------|--|---------------|
| Wavelength (nm) | 457±1 | 473±1 | 532±1 | 550±1 | 561±1 | 577±2 | | |
| Operating mode | CW | | | | | | | |
| Output power (mW) | 1-200 | 200-350 | 1-100 | 300-500 | 500-1500 | 80-100 | 1-200 | 1-200 |
| Power stability (rms, over 4 hours) | <3%, <2% | <5%, <3% | <5%, <3%, <1% | <3%, <2%, <1% | <3%, <2% | <3%, <2%, <1% | <3%, <2%, <1% | <3%, <2%, <1% |
| Transverse mode | TEM ₀₀ | | | | | | | |
| Spectral line width (nm) | <0.1, <0.003 | | | | | | | |
| Noise of amplitude (rms, 1Hz~20MHz) | <1% | | <1%, <0.5% | | <1% | <1%, <0.5% | | <1% |
| M ² factor | <1.5 | | <1.2 | | | | | |
| Beam diameter at the aperture (1/e ² , mm) | <1.0 | | | | | | | |
| Beam divergence, full angle (mrad) | <1.5 | | | | | | | |
| Polarization Ratio | >100:1, Vertical (Horizontal Optional) | | | | | | >100:1, Horizontal (Vertical Optional) | |
| Warm-up time (minutes) | <5 | | | | | | | |
| Pointing stability after warm-up (mrad) | <0.05 | | | | | | | |
| Beam height from base plate (mm) | 27.4 | | | | | | | |
| Operating Temperature (°C) | 10-35 | | | | | | | |
| Power supply (90-264VAC) | PSU-H-FDA/PSU-H-OEM | | | | | | | |
| Expected lifetime (hours) | 10000 | | | | | | | |
| Warranty | 1 year | | | | | | | |

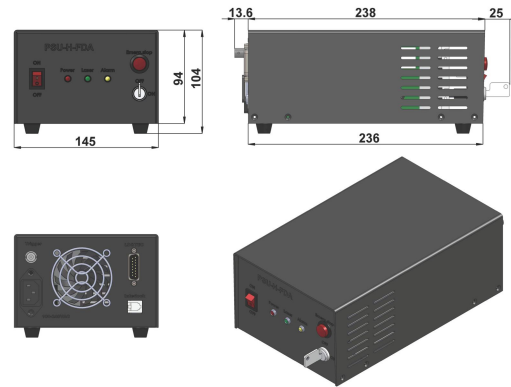
Note: The laser head needs to be used on a heat sink with good heat dissipation.

LASER HEAD



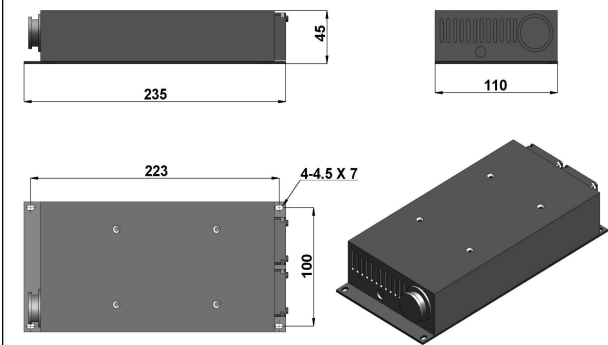
142.5(L)×60(W)×50(H)mm³, 1.0 kg

POWER SUPPLY (PSU-H-FDA)



276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg

POWER SUPPLY (PSU-H-OEM)



235(L) ×110(W) ×45(H)mm³, 1.1kg