

CNI Laser MSL-FN Series 320nm



Wavelength (nm): 320 ± 1

Output power (mW): 1-30

Power stability (rms, 4 hours $\pm 3^\circ\text{C}$): <3%, <2%, <1%

Transverse mode: TEM₀₀

Longitudinal mode: Single

Operating mode: CW

Spectral line width: <1MHz

Coherent length (m): >50

Noise of amplitude (rms, 20Hz-20MHz): <1%, <0.5%

M^2 : <1.5

Beam diameter at the aperture ($1/e^2$, mm): <1.0

Beam divergence, full angle (mrad): <1.2

Polarization ratio: >100:1, Vertical (Horizontal optional)

Pointing stability (urad) (over 2 hours after warm-up and $\pm 3^\circ\text{C}$): <50

Pointing stability Over Temperature(urad/ $^\circ\text{C}$): <8

Frequency shift (MHz)(Over $\pm 2^\circ\text{C}$ and 8hrs) (optional): < ± 200

Frequency shift with Temp (MHz/ $^\circ\text{C}$) (optional): <200

Beam height from base plate (mm): 27.4

Warm-up time (minutes): <10

Laser head consumption(W): 15 (typical), <25 (40°C)

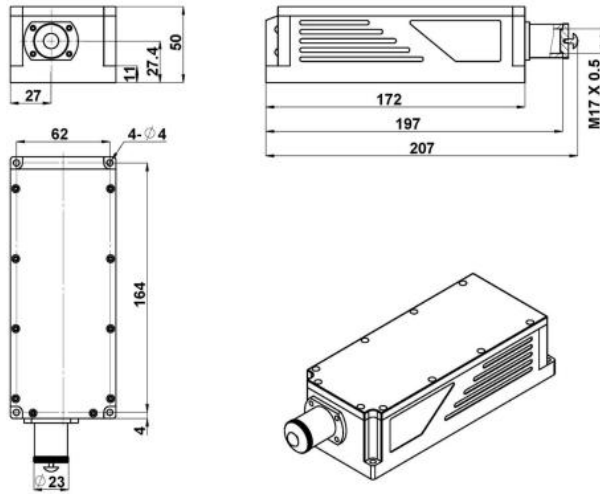
Max. Laser Head Base plate Temp ($^\circ\text{C}$): 50

Operating Temperature ($^\circ\text{C}$): 10-35

Power supply (100-240VAC): PSU-H-FDA

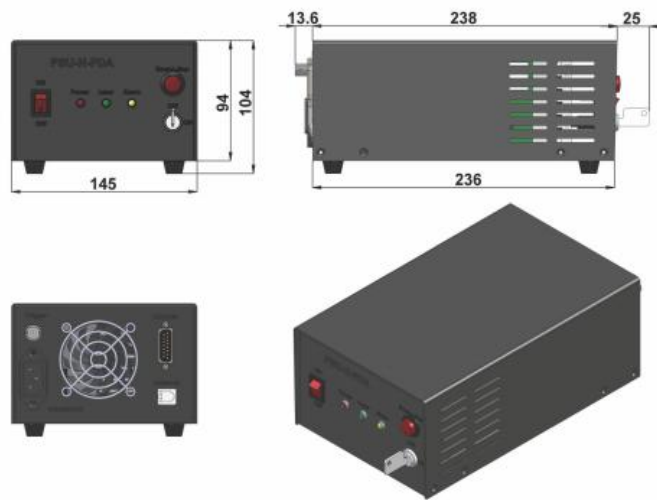
Expected lifetime (hours): >10000

LASER HEAD²



197(L)×70(W)×50(H) mm³, 1.5 kg

POWER SUPPLY³



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