



UV-FN-xxx-L series

LD PUMPED ALL-SOLID-STATE LOW NOISE LASER

Low noise all solid state laser is made features of high output power stability, good beam profile, ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.

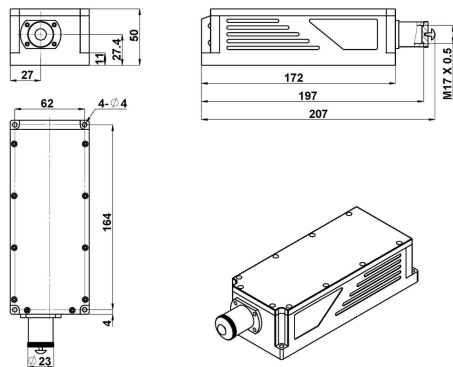


SPECIFICATIONS

Wavelength (nm)	320±1	335±1	349±1	355±1	360±1
Operating mode	CW				
Output power (mW)	1-30	1-10	1-50	1-10	1-50
Power stability (rms, over 4 hours)	<2%, <1%	<2%, <1%	<2%, <1%	<5%, <3%	<2%, <1%, <0.5%
Spectral line width (nm)	<0.1, <0.003				
Transverse mode	Near TEM ₀₀				
Noise of amplitude (rms, 1Hz~20MHz)	<1%				
M ² factor	<1.5				
Beam diameter at the aperture (1/e ² , mm)	<1.2				
Beam divergence, full angle (mrad)	<1.0			<1.5	<1.0
Polarization Ratio	>50:1, Horizontal (Vertical Optional)			>50:1, Vertical (Horizontal Optional)	>50:1, Horizontal (Vertical Optional)
Warm-up time (minutes)	<10				
Pointing stability after warm-up (mrad)	<0.05				
Beam height from base plate (mm)	30				
Cooled method	Fan Cooled/ Water Cooled				
Operating Temperature (°C)	10-35				
Power supply (90-264VAC)	PSU-H-FDA				
Warranty	1 year				

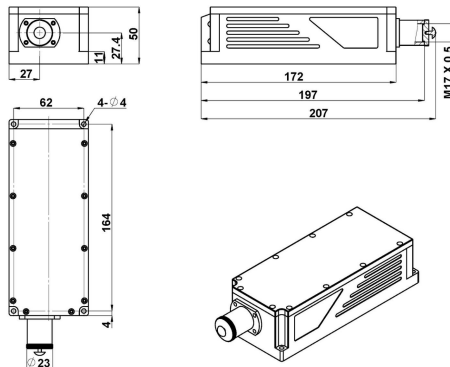
Note: The laser head needs to be used on a heat sink with good heat dissipation.

LASER HEAD(UV-FN-320/ 335/ 349/ 360-L)



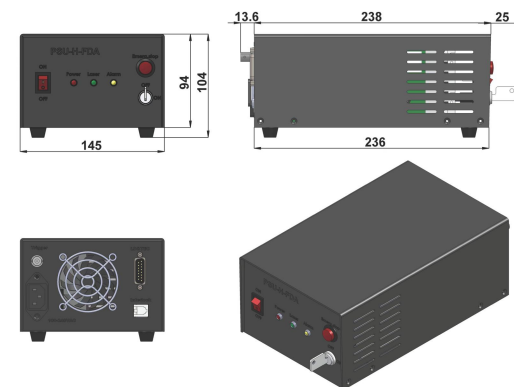
212(L)×70(W)×50(H) mm³, 1.5kg

LASER HEAD (UV-FN-355-L)



197(L)×70(W)×50(H) mm³, 1.5 kg

POWER SUPPLY (PSU-H-FDA)



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