

UV-FN-xxx-L series



LD PUMPED ALL-SOLID-STATE UV LASER

All solid state UV 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)	261±1	273±1	303±1	320±1	335±1	349±1	360±1
Operating mode	CW						
Output power (mW)	1-10	1-5	1-30	1-50	1-50	1-100	1-100
Power stability (rms, over 4 hours)	<3%, <2%	<10%	<5%, <3%	<3%, <2%	<5%, <3%		<3%, <2%, <1%
Transverse mode	Near TEM ₀₀			TEM ₀₀	Near TEM ₀₀	TEM ₀₀	
M ² factor	<3.0	/	<2.0	<1.5			
Beam diameter at the aperture (1/e ² , mm)	<1.0	<1.5		<1.0			
Beam divergence, full angle (mrad)	<1.0	<1.2		<1.5		<1.2	<1.0
Polarization Ratio	>50:1, Horizontal (Vertical Optional)	>50:1, Vertical (Horizontal Optional)	>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						
Modulation option	TTL on/off, 1Hz-1kHz, 1kHz-10kHz; and Analog modulation optional						
Power supply (90-264VAC)	PSU-H-FDA	PSU-H-LED/PSU-H-FDA/PSU-SR					
Warranty	1 year						

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

LASER HEAD(UV-FN-261/ 273-L)	LASER HEAD	POWER SUPPLY (PSU-SR)
<p style="text-align: center;">222(L)×105(W)×50(H) mm³, 3.2kg</p>	<p style="text-align: center;">200(L)×105(W)×50(H) mm³, 3.0kg</p>	<p style="text-align: center;">188(L) ×145(W) ×83(H) mm³, 1.2kg</p>
POWER SUPPLY (PSU-H-LED)	POWER SUPPLY (PSU-H-FDA)	
<p style="text-align: center;">273.6 (L) ×145(W) ×106 (H) mm³, 2.3 kg</p>	<p style="text-align: center;">276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg</p>	