

266nm Laser

NARROW-LINEWIDTH CW LASERS



266nm Laser Based on single-frequency seed laser, fiber laser amplification and high-efficiency frequency conversion technology, Precilasers can provide narrow linewidth lasers of 266nm with a maximum output of 1W, high frequency stability, long lifetime and excellent beam quality.

- Long Life High Power
- Narrow Linewidth Excellent Beam
- Quality Never Mode

Specifications

Parameter	FL-SF-266-X-CW
Center Wavelength	266.00nm
Linewidth(100 us integration)	<50kHz
Operation Mode	Continuous
Output Power	>30mW / >100mW / >500mW / >1W/2W
Beam Waist Diameter	1±0.15 mm
Beam Waist Location Relative to Output Window (m)	Front bezel ±5m of Rayleigh Range
Beam Divergence (Full Angle)	<0.5mrad
Ellipticity	0.9-1.1
Pointing Stability (µrad)	<50urad @30min, RMS
Beam Quality	TEM00, M ² <1.3
Polarization	Linear, Vertical ±3°, >20dB
Power Stability	<1% @3hours, RMS
Relative Intensity Noise	<0.2%(RMS, 10Hz-10MHz integration)
Cooling	Air Cooling/Water cooling / Water cooling
Cold Start	<2 hours
From Standby	<15minutes
Laser Head Dimensions	≤460mm x 420mm x 133mm (30mW,100mW) / ≤483mm x 304mm x 133mm (500mW,1W)
Laser Controller Dimensions	≤390mm x 310mm x 130mm (30mW,100mW) / ≤300mm x 530mm x 139mm (500mW,1W)
Chiller Dimensions	≤58cm x 29cm x 52cm
Laser Head Weight	≤20kg / ≤25kg
Laser Controller Weight	≤25kg
Chiller Weight	≤25kg
Cable Length between Controller and Head	Non-detachable optical fiber length>1.5m / Detachable cable length>5m
Temperature (No condensation conditions)	15-30 °C (Air Cooling) / 15-35 °C (Water cooling)
Power Supply	100V-240V, AC, 50/60Hz
Power Consumption	<120W / <120W / <130W / <140W
Communication	RS422

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.