

# 300-305nm Laser

## NARROW-LINEWIDTH CW LASERS



300-305nm Laser Based on high-power, low-noise fiber amplification, as well as sum frequency and frequency doubling technologies, it enables high-power, narrow-linewidth laser output at any central wavelength within the range of 300-305 nm.

- Narrow Linewidth
- Low Intensity Noise High
- Power Active Power Stability
- Excellent Beam Quality
- Mode Hopping Free Resistant
- Interference Exposure Wafer Metrology
- Precision Measurement

### Specifications

Parameter	FL-SF-XX-YY (1) -CW
Typical Wavelength	302nm
Output Power	0.1W / 0.5W / 1W / 2W / 4W(coming soon)
Linewidth (2) (100 us integration)	<60kHz
Monitor optical output power @604nm	>5mW
Tuning range (Never mode-hop)	>300GHz
PZT Tuning Range	>6GHz
PZT Tuning Bandwidth	>5kHz
Current Tuning Range	>1GHz
Current Tuning Bandwidth	>1MHz
Power Stability (3 Hours RMS)	<1%
Output Mode	Spatial collimation output, diameter 0.8mm-1.2mm
Polarization Extinction Ratio	>20dB, Linear, Vertical
Beam Quality	TEM00, M <sup>2</sup> <1.3
Cooling	Air cooling / Water cooling
Wide Tuning Option	By replacing the wide-tuning seed laser, ±0.5nm@302nm wide tuning is achieved
Cooling	Air cooling / Water cooling
Temperature	15-30°C
Power Supply	100V-220V, AC, 50Hz

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