

# 302nm Narrow linewidth laser

## NARROW-LINEWIDTH CW LASERS



302nm Narrow linewidth laser Based on single frequency seed laser, fiber laser amplification and high efficiency frequency conversion technology, Precilasers can provide narrow linewidth lasers with a maximum output of 1W, high frequency stability, long lifetime and excellent beam quality.

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

### Specifications

Parameter	FL-SF-XX-YY (1) -CW
Typical Wavelength	297nm, 302nm
Output Power	0.1W / 0.5W / 1W / 3W
Linewidth (2) (100 us integration)	<60kHz
Monitor optical output power @594nm/604nm	>3mW
Tuning range (Never mode-hop)	>300GHz
PZT Tuning Range	>3GHz
PZT Tuning Bandwidth	>5kHz
Current Tuning Range	>500MHz
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@297nm 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.