

# 382-405nm Laser

## NARROW-LINEWIDTH CW LASERS



382-405nm 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 382-405 nm.

- Narrow Linewidth Low
- High Power Power Stability
- Excellent Beam Quality
- Never Mode
- High Temperature And Vibration
- Resistance
- Lithium Ion Calcium Ion
- Strontium Atom Cooling Quantum

### Specifications

Parameter	FL-SF-XXXX-YY-CW (1)
Wavelength Range	382-385nm / 385-392.5nm / 392.5-405nm
Typical Wavelength	385nm / 390nm / 399nm
Seed Laser Type	Fiber DFB Seed Laser (1530-1596nm) / Fixed External Cavity Diode Laser (FECL,1530-1596nm)
Output Power	>0.04W/2W/4W / >0.04W/2W/4W/8W / >0.04W/2W
Thermal Tuning Range	>0.25nm, Never Mode-hop / >30GHz, Never Mode-hop
Output Mode	Free Space Output
Beam Diameter (2)	0.7-1.0mm
Power Tuning Range	10-100%
Beam Pointing Stability	<50μrad
Linewidth (3) (100us)	<4kHz/10kHz / <20kHz/40kHz
PER	linear,>20dB
Power Stability	<0.75%@3hours, RMS
Beam Quality	TEM00, M2<1.2
Fast Frequency Tuning Range	>3GHz / >1GHz
Fast Frequency Tuning Bandwidth	>5kHz,PZT Tuning / >1MHz,Current Tuning
AOM Tuning Range(Optional)	>±5MHz / /
AOM Tuning Bandwidth(Optional)	>500kHz / /
RIN	<0.3% (RMS,10Hz-100MHz)
Cooling	Water Cooling
Temperature	15-30 °C (Air Cooling) or 15-35 °C (Water Cooling)
Power Supply	100V-240V, AC, 50/60Hz
Communication	RS422

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