

# 578nm-610nm Yb AMP+SFG

## NARROW-LINEWIDTH CW LASERS



578nm-610nm Yb AMP+SFG The 977.5nm seed is amplified by an ytterbium-doped fiber amplifier and then frequency-coupled with an erbium-doped fiber laser to produce a high-power, narrow-linewidth laser output.

- Narrow Linewidth Low Intensity
- Noise High Power Active
- Power Stabilization
- Excellent Beam Quality
- Never Mode
- Resistant to high and
- Optical Lattices
- Atomic Cooling And Trapping

### Specifications

Parameter	FL-SF-XXXX-YY-CW (1)
Selectable Center Wavelength	578-610nm
Common Wavelengths	606nm
Output Power	>2W / >5W
Tuning Range (temperature) (2)	>15GHz, Continuous without mode-hop
Output Mode	Spatially collimated output
Beam Waist Diameter	0.7-1.0mm
Power Adjustment Range	Power adjustment range 5-100%
Pointing Stability	<10 $\mu$ rad
Linewidth (3) (100 us integration)	<30kHz
Polarization Extinction Ratio	Linear, Vertical, >20dB
Power Stability	<0.75% @ 3hours, RMS
Beam Quality	TEM00, M <sup>2</sup> <1.1
Current Tuning Range	>500MHz
Current Tuning Bandwidth	>1MHz
Relative Intensity Noise	<0.08% (RMS, 10Hz-100MHz integral)
Cooling	Air Cooling/Water cooling
Temperature	15-30 °C (Air Cooling) or 15-35 °C (Water cooling)
Power Supply	100V-240V, AC, 50/60Hz
Power Consumption	RS422

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