

# 556nm Narrow linewidth laser

## NARROW-LINEWIDTH CW LASERS



556nm Narrow linewidth laser Based on high-power, low-noise ytterbium-doped fiber amplification and frequency doubling technology, it achieves high-power, narrow-linewidth laser output at any central wavelength within the 543-556nm range.

- Narrow Linewidth Low
- High Power Power Stability
- Excellent Beam Quality
- Never Mode
- High Temperature And Vibration
- Resistance
- Optical Lattice
- Atomic Cooling and Trapping

### Specifications

Parameter	FL-SF-XXXX-YY-CW (1)
Wavelength Range	543-556nm
Typical Wavelength	556nm
Output Mode	CW
Output Power	>0.5W / >1.5W / >5W / >10W
Tuning Range (Temperature)	>0.35nm, Never Mode-hop
Output Mode	Free Space Collimated Output , Diameter 0.7-1.0mm
Linewidth (2) (100us)	<20kHz
PER	>20dB
Power Stability	<0.75%@3hours, RMS
Beam Quality	M2<1.1
Fast Frequency Tuning Range	>3GHz
Fast Frequency Tuning Bandwidth	>5kHz
RIN (10Hz-100MHz, RMS)	<0.08%
Cooling	Air Cooling / Water Cooling
Power Supply	100-240V, 50/60Hz

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