

# 799-811nm

## NARROW-LINEWIDTH CW LASERS



799-811nm Based on high-power, low-noise erbium-doped fiber amplification and frequency doubling technology, it realizes the output of a high-power, narrow-linewidth laser with any central wavelength within the range of 799–811 nm.

- Narrow Linewidth Low
- High Power Power Stability
- Excellent Beam Quality
- Never Mode
- High and Low Temperature
- Resistance with Vibration
- Resistant Operating Environment
- Precision Measurement Quantum Computing

### Specifications

Parameter	Specification
Model Number	FL-SF-XXXX-YY-CW (1)
Wavelength Range	799-811nm
Operating Mode	CW
Output Power	>0.1W/1W/3W
Output Mode	Free Space Output
Beam Spot Diameter	0.5~1mm
RIN	<0.06% (RMS,10Hz-10MHz)
Power Stability (RMS)	<0.75%@3h
Tuning Range (Never mode-hop)	>15GHz
Current Tuning Range	>1GHz@100mW
Current Tuning Bandwidth	>1MHz@100mW
PZT Tuning Range	>3GHz@>1W
PZT Tuning Bandwidth	>5kHz@>1W
AOM Tuning Range	>±5MHz@>1W
AOM Tuning Bandwidth	>500kHz@>1W
Linewidth (100us)	<15kHz@100mW / <5kHz@>1W
Beam Quality	M <sup>2</sup> <1.1
PER	Linear, >20dB
Cooling	Air Cooling

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