

# 780nm Narrow Linewidth Laser (DFB)

## NARROW-LINEWIDTH CW LASERS

780nm Narrow Linewidth Laser (DFB) Based on 1560nm fiber DFB seed laser, low noise erbium-doped fiber amplifier and high efficiency frequency doubling module, Precilasers can provide high power 780nm laser, which is widely used in quantum precision measurement and optical precision measurement.

- Ultra
- Small Size Narrow Linewidth
- Tunable Continuous
- Rubidium Atom Quantum Computing
- Rubidium Atom Atomic Gravimeter
- Precision Distance Measurement

### Specifications

Parameter	FL-SF-780-X (1) -CW
Center Wavelength	780.24nm
Output Power	0.2W / 0.5W / 1W / 2W / 4W / 8W / 20W
Operation Mode	Continuous
Tuning Range (temperature)	>0.5nm, Continuous without mode hop
Output Mode	Single-mode polarization-maintaining fiber output (2) / Spatial collimation output, diameter 0.7-1mm
Linewidth (3) (100 us integration)	<2kHz / <5kHz
Polarization Extinction Ratio	>20dB
Power Stability (3 Hours RMS)	<0.75%
Beam Quality	M <sub>2</sub> <1.1
PZT Tuning Range	>3GHz
PZT Tuning Bandwidth	>5kHz
Cooling	Air Cooling / Water Cooling
Temperature	15-30°C (1)
Power Supply	100-240V AC, 50/60Hz

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