

Dual Output 780nm Narrow Linewidth Laser (FECL)

NARROW-LINEWIDTH CW LASERS



Dual Output 780nm Narrow Linewidth Laser (FECL) Based on fixed external cavity diode 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.

- Rb Atom Quantum Computing
- Rb Atom Atomic Gravimeter
- Precision Distance Measurement

Specifications

Parameter	FECL-SF-780-2-2-CW
Note	Two completely independent 780nm frequency-doubled lasers, accepting customization of various structures
Center Wavelength	780.24nm
Output Power	Independent dual-channel output, Each channel output > 2W
Operation Mode	Continuous
Tuning Range (Temperature)	>15GHz, Continuous without mode hop
Output Mode	Single-mode polarization-maintaining fiber output (1)
Linewidth (2) (100us integration time)	<6kHz / <15kHz
Polarization Extinction Ratio	>20dB
Power Stability (3 Hours RMS)	<0.75%
Beam Quality	M ₂ <1.1
Current Tuning Range	>1GHz
Current Tuning Bandwidth	>1MHz
RIN Relative Intensity Noise (10Hz-100MHz, RMS)	<0.08%
Cooling	Air Cooling
Temperature	15-30°C (1)
Power Supply	100-240V , 50/60Hz

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