

# 776nm Narrow linewidth laser

## NARROW-LINEWIDTH CW LASERS



776nm Narrow linewidth laser Based on a fixed external cavity semiconductor seed laser, a low-noise erbium-doped fiber amplifier, and a high-efficiency frequency doubling module, Precilasers can provide high-power 776nm lasers. They are widely used in quantum precision measurement and optical precision measurement.

- Ultra
- Compact Size Narrow Linewidth
- Tunable Continuous
- Wave Laser
- Rubidium Atom Quantum Computing
- Rubidium Atom Gravimeter Precision
- Ranging

### Specifications

Parameter	FECL-SF-776-X (1) -CW
Center Wavelength	776nm
Output Power	0.2W / 0.5W / 1W / 2W / 4W / 8W / 20W
Operating Mode	Continuous
Tuning Range (Temperature)	>15GHz, continuous mode-hop-free
Output Mode	Single-mode polarization-maintaining fiber output (2) / Spatial collimation output, diameter 0.7-1mm
Linewidth (3) (100µs Integration Time)	<10kHz / <20kHz
Polarization Extinction Ratio	>20dB
Power Stability (3-hour RMS)	<0.75%
Beam Quality	M <sup>2</sup> <1.1
Current Tuning Range	>1GHz
Current Tuning Bandwidth	>1MHz
Cooling	Air Cooling
Temperature	15-25°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](mailto:sales@wavequanta.com).