

780nm Frequency stabilized laser

FREQUENCY-STABILIZED & ULTRA-STABLE LASERS



780nm Frequency stabilized laser Based on Precilasers' narrow-linewidth 780nm laser and all-fiber rubidium frequency-stabilized module, the 780nm frequency-stabilized laser can output narrow-linewidth laser output with good long-term stability, which can be applied to fields such as industrial precision measurement.

- Narrow Linewidth Linear Polarization
- High Power Active Power
- Stabilization Excellent Beam Quality
- Never Mode
- Resistant to high and

Specifications

Parameter	FL-SF-780-XX (1) -MTS
Center Wavelength	780.24nm (2)
Output Power	>10mW / >100mW / >500mW
Power Adjustment Range	10-100%
Linewidth (100us integral) (3)	<20kHz
Frequency Stability	Rubidium Atomic Frequency Stabilization, 10ppb@1hrs, <1ppb@30s
Long Term Power Stability	<0.75% @3hrs, RMS
Output Mode	Single-mode polarization-maintaining fiber output, FC/APC Connectors
Beam Quality	M ² <1.1
Polarization Extinction Ratio	>23dB, Linear polarization
Cooling	Air Cooling
Temperature	15-30°C
Power Supply	100-240V, AC, 50/60Hz
Power Consumption	<100W
Weight	<35kg

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