

# 1544nm Frequency stabilized laser

## FREQUENCY-STABILIZED & ULTRA-STABLE LASERS



1544nm Frequency stabilized laser Based on Precilasers' narrow-linewidth 1544nm laser and all-fiber acetylene frequency-stabilized module, the 1544nm 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-1544-XX (1) -SAS
Center Wavelength	1544nm (2)
Output Power	>10mW / >100mW
Linewidth (100us integral) (3)	<2kHz
Frequency Stability	Acetylene frequency stabilization, <2MHz@10hrs
Long Term Power Stability	<0.75% @3hrs, RMS
PZT Tuning Range	>3GHz
PZT Tuning Bandwidth	>5kHz
Output Mode	Single-mode polarization-maintaining fiber output, FC/APC connector
Beam Quality	M2<1.1
Polarization Extinction Ratio	>20dB,Linear polarization
Cooling	Air Cooling
Temperature	15-30°C(No condensation conditions)
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).