

# 532nm Non-single frequency laser

## NARROW-LINEWIDTH CW LASERS



532nm Non-single frequency laser Based on non-single frequency seed laser, fiber laser amplification and high-efficiency frequency conversion technology, Precilasers can provide non-single frequency 532nm laser with maximum output of 40W, long life and excellent beam quality.

- Long Life High Power
- Excellent Beam Quality Never
- Mode

### Specifications

Parameter	FL-NSF-532-X (1) -CW
Center Wavelength	532.00nm
Linewidth (2)	40GHz±1GHz
Operation Mode	Continuous
Output Power	>10W / >20W / >40W
Beam Waist Diameter	0.8±0.2 mm
Beam Waist Location Relative to Output Window (m)	Output window within ±0.3m
Beam Divergence (Full Angle)	<0.9mrad
Beam Ellipticity	0.9-1.1
Pointing Stability	<5μrad
Beam Quality	TEM00, M <sup>2</sup> <1.1
Polarization	Linear, Vertical±3°, >23dB
Power Stability	<0.75% @3hours, RMS
Relative Intensity Noise	<0.1%(RMS, 10Hz-10MHz integration)
Cooling	Air Cooling / Water Cooling
Cold Start	<1 hour
From Standby	<30 minutes
Laser Head Dimensions	≤358mm x 90mm x 70mm
Laser Controller Dimensions	≤483mm x 420mm x 133mm / ≤483mm x 422mm x 105mm
Temperature	15-30 °C / 15-35 °C
Power Supply	100V-240V, AC, 50/60Hz
Communication	RS422

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