

532nm Laser (Low power)

NARROW-LINEWIDTH CW LASERS



532nm Laser (Low power) Based on single frequency seed laser, fiber laser amplification and high efficiency frequency conversion technology, Precilasers can provide narrow linewidth 532nm laser with high frequency stability, long lifetime and excellent beam quality.

- Long life High Power
- Narrow Linewidth Excellent Beam
- Quality Never Mode

Specifications

Parameter	FL-SF-X-Y (1) -CW
Central Wavelength Range	532.00nm
Common Wavelengths	532nm
Linewidth (100 us integration)	<50kHz
Operation Mode	CW
Output Power	>5W / >10W
Beam Waist Diameter	0.6±0.2 mm
Beam Waist Location Relative to Output Window (m)	Output window within ±0.3m
Beam Divergence (Full Angle)	<0.8mrad
Beam Ellipticity	>90%
Pointing Stability (μrad)	<10μrad
Beam Quality	TEM00, M ² <1.1
Polarization	Linear, Vertical±3°, >20dB
Power Stability	<0.75% @3hours, RMS
Relative Intensity Noise	<0.06%(RMS, 10Hz-10MHz integration)
Spectral Purity	>99.9%
Cooling	Air Cooling/Water cooling
Cold Start	<2 Houes
From Standby	<30 minutes
Laser Head Dimensions	364.5mm x 90mm x 70mm
Laser Controller Dimensions	483mm x 420mm x 133mm(Air Cooling) 483mm x 422mm x 105mm(Water Cooling)
Chiller Dimensions	≤580mm x 290mm x 520mm
Cable Length between Controller and Head	>1.5m
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.