

649nm Narrow Linewidth Laser

NARROW-LINEWIDTH CW LASERS

649nm Narrow Linewidth Laser Based on cs and low-noise fiber amplifiers, Precilasers can provide high-performance 649nm laser output.

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



Specifications

Parameter	FL-SF-X-Y-CW (1)
Wavelength	649nm
Linewidth (2) (100 us integration)	<20kHz
Operation Mode	Continuous
Output Power	>100mW / >2W / >5W
Output Mode	Collimated output
PZT Tuning Bandwidth	>5kHz
PZT Tuning Range	>3GHz
Current Fast Tuning Bandwidth	>1MHz
Current Fast Tuning Range	>500MHz
Beam Waist Diameter	0.8±0.2 mm
Beam Quality	TEM00, M ² <1.1
Polarization	Linear, Vertical >23dB
Power Stability	<0.75% @3hours, RMS
Cooling	Air Cooling / Water cooling
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.