

1762nm Narrow linewidth laser

NARROW-LINEWIDTH CW LASERS

1762nm Narrow linewidth laser Based on Tm-doped fiber amplifier technique, Precilasers can provide 1762nm amplifier that maximum power of 50W, and keeping very low phase noise and intensity noise.

- Quantum Precision Measurement Quantum
- Computation Pumping

Specifications

Parameter	FA-SF-X-Y-CW (1)
Wavelength	1762nm
Output Power	>2W/10W/20W
Bandwidth	>±5nm
Relative Intensity Noise	<0.05% (RMS, 10Hz-10MHz Integration)
Power Stability	<0.75% @3hours, RMS
Power Tuning Range	1-100%
Output Mode (2)	Single Mode PM fiber, FC/APC Connector (Output Power≤2W) OR Collimated Output (All Power)
Beam Diameter	0.6±0.2mm
Beam Quality	TEM00, M ² <1.1
Polarization	Linear, >23dB
Seed Laser Input Power	≥10mW(3)
Seed Laser Input Isolation	>25dB
Output Laser Isolation	>25dB
Cooling	Air Cooling /Water Cooling
Temperature	15-30 °C (Air Cooling) OR 15-35 °C (Water Cooling)
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.