

866nm Narrow linewidth laser

NARROW-LINEWIDTH CW LASERS

866nm Narrow linewidth laser Based on high-power, low-noise fiber lasers amplification and sum-frequency technology, Precilasers can provide 866nm high-power, narrow linewidth laser output.

- Narrow Linewidth Low
- High Power Power Stability
- Excellent Beam Quality Never
- Mode
- High Temperature And Vibration
- Resistance
- Quantum Computing
- Rb Quantum Computing Quantum

Specifications

| Parameter | FL-SF-XXXX-YY-CW (1) |
|---------------------------------|--|
| Wavelength | 866nm |
| Output Power | 2W/4W/6W/8W/10W/15W/30W |
| RIN | <0.05% (10Hz-100MHz, RMS) |
| Thermal Tuning Range | >0.15nm, Never Mode-hop |
| Output Mode | Free Space Output, Beam Diameter 0.7-1.0mm |
| Linewidth (2) (100us) | <20kHz |
| PER | >20dB |
| Power Stability | <0.75%@3hours, RMS |
| Beam Quality | M ₂ <1.1 |
| Fast Frequency Tuning Range | >500MHz |
| Fast Frequency Tuning Bandwidth | >1MHz |
| PZT Frequency Tuning Range | >3GHz |
| PZT Frequency Tuning Bandwidth | >5kHz |
| Cooling | Air Cooling(Output Power≤2W) Or Water Cooling |
| PM Fiber Output | For output power≤2W lasers, single-mode polarization-maintaining fiber output can be selected. |
| Temperature | 15-30°C |
| Power Consumption | <400W |
| Power Supply | 100V-240V, AC, 50/60Hz |

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