

633nm Narrow linewidth laser

NARROW-LINEWIDTH CW LASERS



633nm Narrow linewidth laser Based on high-power, low-noise fiber amplification and sum frequency generation technology, Precilasers can achieve high-power, narrow-linewidth laser output at 633nm.

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

Specifications

| Parameter | FL-SF-XXXX-YY-CW (1) |
|---------------------------------|--|
| Wavelength | 633nm |
| Operation Mode | CW |
| Output Power | >0.5W / >2W / >5W / >8W |
| Thermal Tuning Range | >0.2nm, 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 |
| PZT Frequency Tuning Range | >3GHz |
| PZT Frequency Tuning Bandwidth | >5kHz |
| Fast Frequency Tuning Range | >500MHz |
| Fast Frequency Tuning Bandwidth | >1MHz |
| AOM Tuning Range (Optional) | >±5MHz |
| AOM Tuning Bandwidth (Optional) | >500kHz |
| RIN | <0.08% (10Hz-100MHz, RMS) |
| 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.