

1010-1015nm Narrow linewidth laser

NARROW-LINEWIDTH CW LASERS



1010-1015nm Narrow linewidth laser Based on high-power, low-noise thulium-doped fiber amplification and frequency-doubling technology, high-power and narrow-linewidth laser output with any central wavelength in the range of 1010-1015nm is achieved.

- Narrow linewidth Low intensity
- High power Active power
- Excellent beam quality
- Mode
- Operable in high
- Optical lattice
- Cold atomic physics
- Quantum optics research Atomic

Specifications

Parameter	Specification
Model Number	FL-SF-XXXX-YY-CW (1)
Optional Central Wavelength Range	1010-1015nm
Output Power	>0.02W
Output Mode	Single-mode PM fiber output
Linewidth (2) (100µs integration time)	<15kHz
Polarization Extinction Ratio	Linear, >20dB
Power Stability	<0.75% @ 3hours, RMS
Beam Quality	TEM00, M ² <1.1
PZT Tuning Range	>3GHz
PZT Tuning Bandwidth	>5kHz
AOM Tuning Range	>±5MHz
AOM Tuning Bandwidth	>500kHz
Relative Intensity Noise	<0.08% (RMS, integrated over 10Hz-10MHz)
Cooling	Air Cooling

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