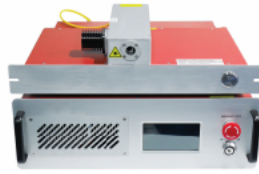




Single Pass SFG Fiber Laser



The product description

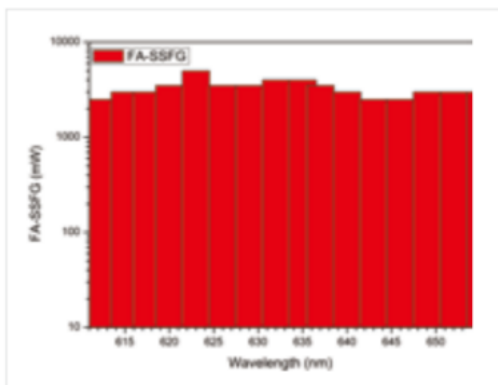
Erbium group offers a single pass SFG fiber laser (FL-SSFG), which uses ultra-narrow linewidth fiber DFB laser as seeds, all fiber amplifiers to boost the output power and single pass PPLN SFG module to get high power 6xx nm laser output. The SFG fiber laser could cover the output wavelengths from 611 to 655 nm, with narrower linewidth (less than 10 kHz in 100 us integration time) and excellent beam quality ($M^2 < 1.1$). It remains mode-hopping-free and stable under wide temperature variation and high mechanical vibration, which is great for frequency locking.

Key Features:

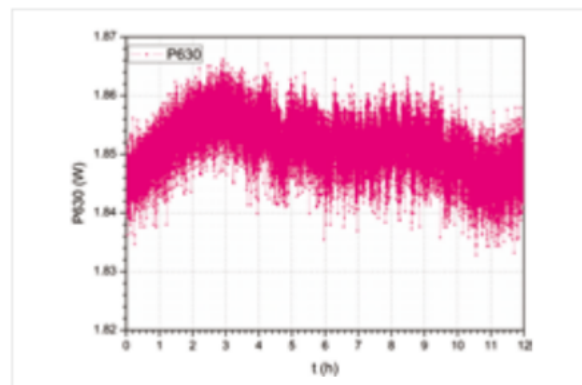
- Narrow Linewidth, tunable
- Active Power Stability
- Stable and maintenance-free
- Good Beam Quality ($M^2 < 1.1$)
- High power

Applications:

- Quantum simulation
- Quantum degenerate gas
- Laser Spectroscopy
- Gases detection



Wavelength-Power



Beam Profile and Power Stability



Technical indicators

Model	FL-SSFG-XX-YY-ZZ ¹		
Wavelength ² , nm	611-656	650-711	806-877
Output Power ³ , mW	1-5	5	1-4
Seed Laser	Precislasers' Fiber DFB Laser or ECDL		
Fast Tuning Range, GHz	>3		
SFG tunable range, nm	>0.2		
Feedback bandwidth, MHz	>1		
Linewidth, kHz	<15		
RMS Power Stability, %	<0.5 %@3hrs		
Beam Quality	TEM ₀₀ , M ² <1.1		
PER, dB	>20		
Beam Diameter, mm	0.7-1.0		
Cooling	Water Cooling/Air Cooling		
Power Supply	50-60Hz, 100-240VAC		
<p>1: XX: Central Wavelength, YY: Maximum Output Power, ZZ: Operation Mode</p> <p>2: Central wavelength can be customized</p> <p>3: High power can be customized</p>			

Structure size

