



FL-780-SF/1~2000mW

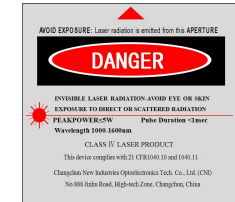
**SINGLE FREQUENCY MODE
FIBER LASER AT 780 nm**

All polarization fiber single frequency mode high power laser at 780nm is consisting of the seed laser and an amplifier optimized for low noise operation and application demanding more optical power, which has been designed for operation in Atom clock, Atom interferometry, Magic optical lattice, RB atom cooling etc.



SPECIFICATIONS

Wavelength (nm)	780±1			
Operating mode	CW			
Free space output power (mW)	100	500	1000	2000
Fiber coupled output power (mW)	250		500	
Power stability (rms, over 4 hours)	<2%, <1%			
Transverse mode	TEM ₀₀			
Spectral linewidth (KHz)	<20			
Frequency shift (MHz)	<500@4hour			
M ² factor	<1.2			
Polarization ratio(dB)	>15			
Warm-up time (minutes)	<30			
Operating temperature (°C)	15~30			
Power supply (V AC)	220			
Expected lifetime (hours)	10000			
Warranty	1 year			
Options	RS 232/485 interface			



FL-780-SF	Second harmonic(Free space)	Second harmonic(Fiber coupled)	Free space
<p>452(L)×483(W) ×133(H) mm³ 10kg</p>	<p>284(L)×118(W) ×40.5(H) mm³ 1kg</p>	<p>318(L)×118(W) ×40.5(H) mm³ 1.1kg</p>	