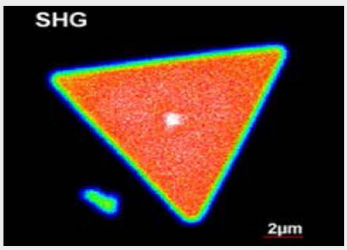
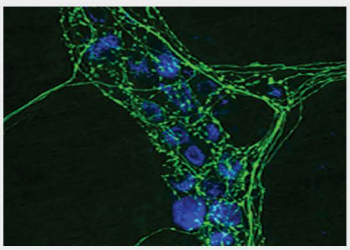
1064&532 nm Ultrafast Fiber Laser - Rainbow 1064 Dichro

Rainbow 1064 Dichro features a dual-port design and may provide high-power output at both 1064nm and 532nm simultaneously. It gives customers the ultimate flexibilities in constructing multi-purpose photonic systems. The proportion of 1064 and 532 output power can be customized upon user request. The laser is an easy-to-use turn-key system, and can also be computer controlled.

Rainbow 1064 Dichro is ideal for materials research such as TCSPC, SHG/THG imaging, pump-probe spectroscopy, and other nonlinear optical applications. It can meet a broad range of R&D requirements of the photonics and materials research community.





Key Features :

- Double wavelength outputs
- High peak power
- Linearly polarization
- Diffration limited beam

Applications :

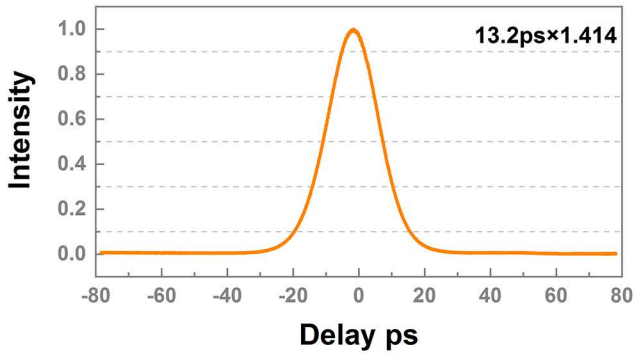
- SHG imaging
- Two-photon Polymerization
- Multiphoton imaging
- Time-resolved fluorescence

Main Specification:

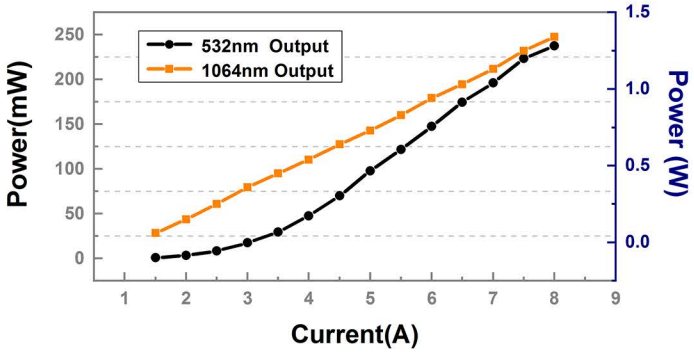
Laser Parameters	Unit	IR Laser	SHG Laser
Operating Wavelength	nm	1030-1064	515-532
Pulse Width (FWHM)	ps	<15	
Repetition Rate	MHz	20-50	
Average Power	W/mW	1	700
Beam Quality		M^2<1.1	TEM00
Average Power Stability	% RMS	<0.5 (12h@25℃)	
Polarization Extinction Ratio	dB	>20	
Output Beam		Collimator，Beam Diameter < 2mm	
Output Fiber		Free Space	
Electrical, Environmental and Mechanical Parameters			
Supply Voltage	VDC	AC 100-240(50Hz/60Hz)	DC12
Operational Temperature Range	℃	15~35	
Operational Humidity Range	%	20~80 (Non-condensing)	
Storage Temperature Range	℃	-20~+50	
Storage Humidity Range	%	20~80 (Non-condensing)	
Weight Laser Head	kg	17	8
Dimensions Laser Head	mm(L×W×H)	390×298×115	436×186×135.5
Cooling		Air-cooled	

Test Data :

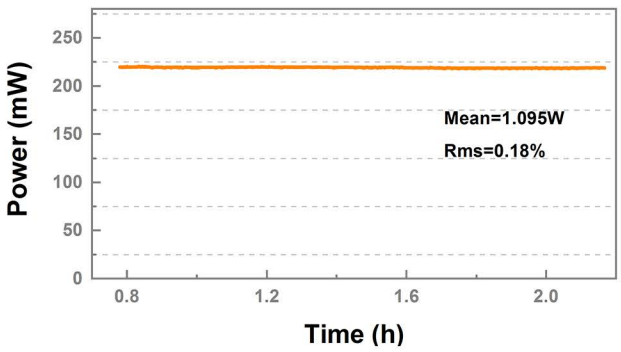
Typical output pulse width



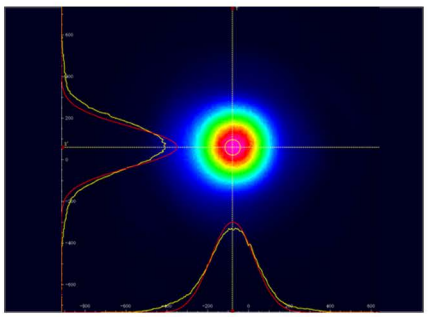
Output power curve



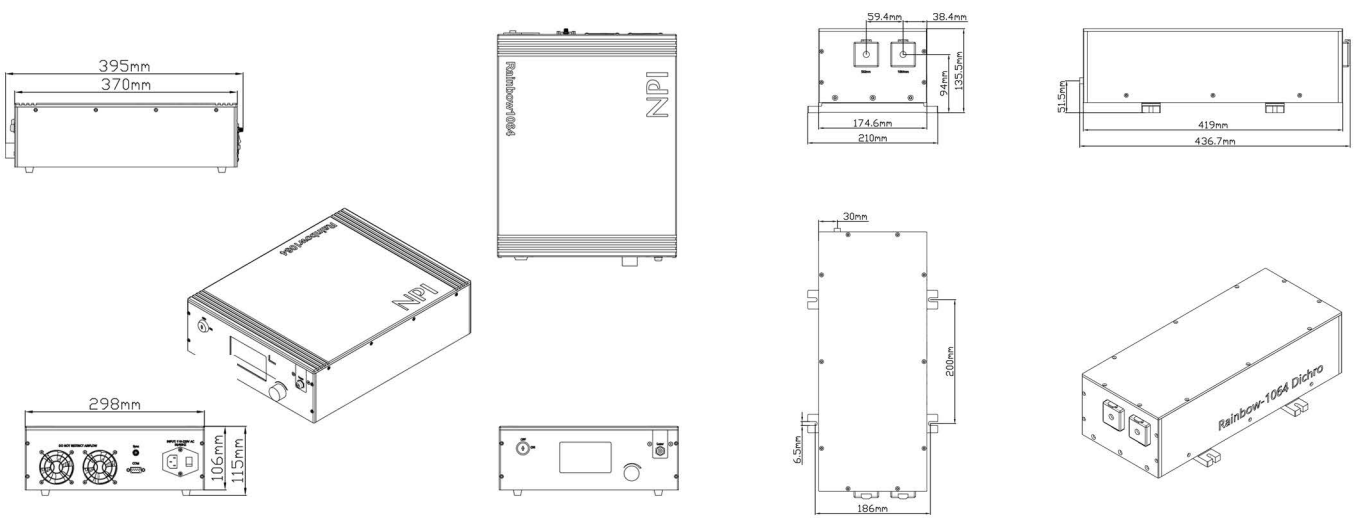
Output power stability



Output Beam



Machine Drawing



Web : www.npilasers.com
Tel : +86-(0)25-84985077
E-mail : sales@npilasers.com