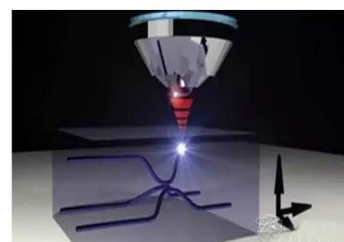
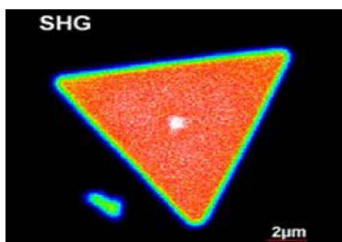


1550&780 nm Ultrafast Fiber Laser - Rainbow 1550 Dichro

Rainbow 1550 Dichro features a dual-port design and may provide high-power output at both 1550nm and 780nm simultaneously. It gives customers the ultimate flexibilities in constructing multi-purpose photonic systems. The proportion of 1550 and 780 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 1550 Dichro is well-suited for scientific uses such as THz-TDS (time-domain terahertz generation), SHG/THG imaging, pump-probe spectroscopy and multi-photon imaging. It can meet a broad range of R&D requirements of the scientific community.



Key Features :

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

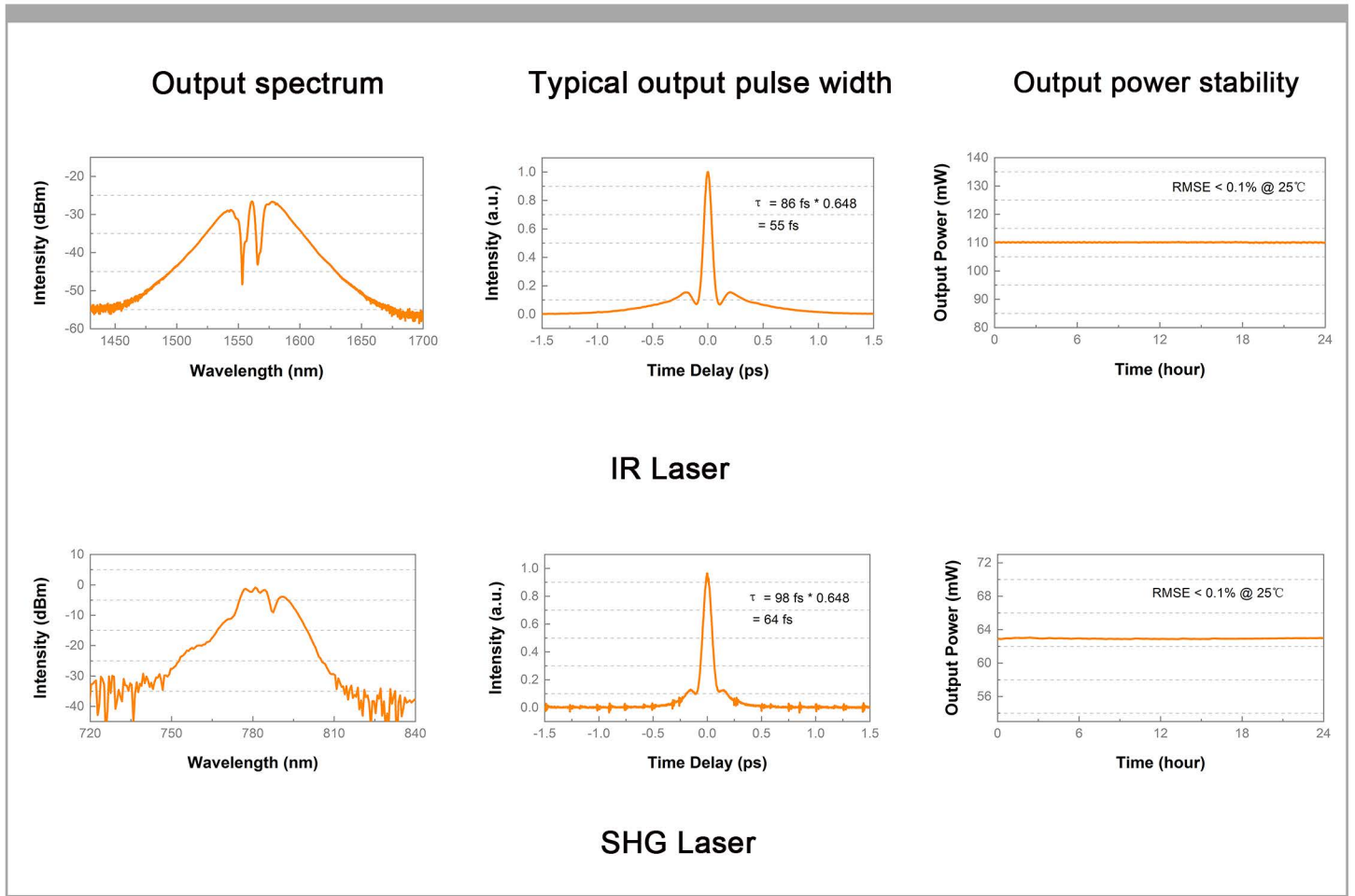
Applications :

- SHG imaging
- Two-photon Polymerization
- Multiphoton imaging
- Terahertz generation

» Main Specification:

Laser Parameters	Unit	IR Laser	SHG Laser
Operating Wavelength	nm	1560±10	780±10
Pulse Width (FWHM)	fs		<80
Repetition Rate	MHz		80
Average Power	mW	>100	>60
Average Power Stability	% RMS		<0.1 (24h@25°C)
Single Pulse Energy	nJ	>1.25	>0.75
Polarization Extinction Ratio	dB		>20
Beam Quality		TEM00, M ² <1.2	
Output Mode		PM1550 Fiber, FC/APC Connector	Free-space /Shutter
Electrical, Environmental and Mechanical Parameters			
Trigger Signal	V	1 V @50 Ohm	
Power Consumption	Watt	<150	
Supply Voltage	VAC	100-240 (50Hz/60Hz)	
Operational Temperature Range	°C	10-45	
Operational Humidity Range	%	20~80 (Non-condensing)	
Storage Temperature Range	°C	0-50	
Storage Humidity Range	%	20~80 (Non-condensing)	
Weight Laser Head	kg	17	
Dimensions Laser Head	mm(L×W×H)	395×346×126	
Cooling		Air-cooled	

Test Data :



Machine Drawing

