

Rainbow 1550 Dichro

1560/780 nm Ultrafast Fiber Laser

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.

Applications :

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

Main Specification

Laser Parameters

Operating Wavelength	1560±10 nm	780±10 nm
Pulse width (FWHM)	<80 fs	<100 fs
Repetition Rate	80 MHz	
Average Power	>100 mW	>60 mW
Average Power Stability	<0.5% RMS(12h@25°C)	
Polarization Extinction Ratio	>20 dB	
Output Type	PM1550 Fiber,FC/APC Connector	Spatial collimation output

Electrical, Environmental and Mechanical Parameters

Supply Voltage	100-240 VAC	Weight	17 Kg
Operational Temperature Range	15-35 °C	Dimensions	395×346×126 mm
Operational Humidity Range	20~80 °C	Cooling	Air cooling

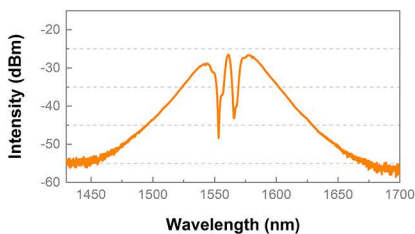


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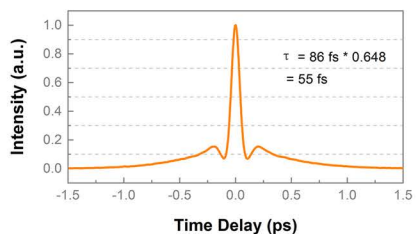
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Test Data

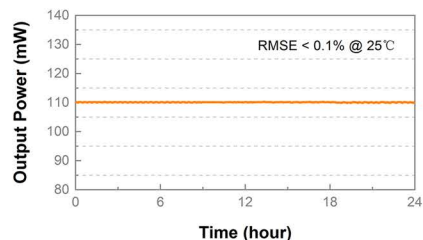
Output spectrum



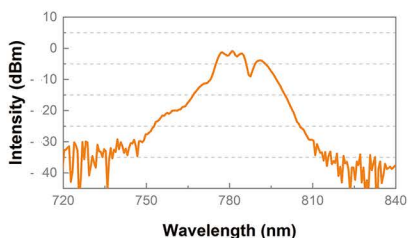
Typical autocorrelation trace



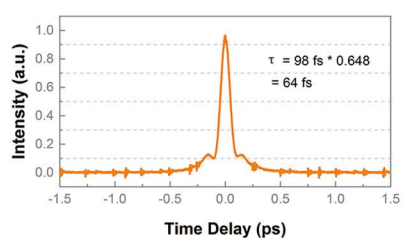
Power Stability



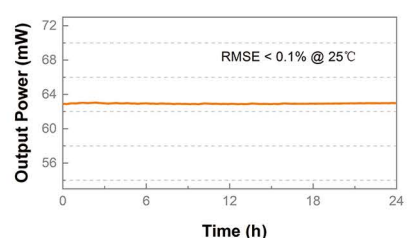
Output spectrum



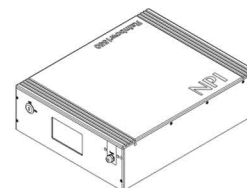
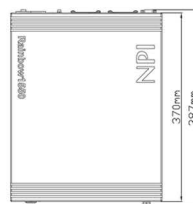
Typical autocorrelation trace



Power Stability



Machine Drawing



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