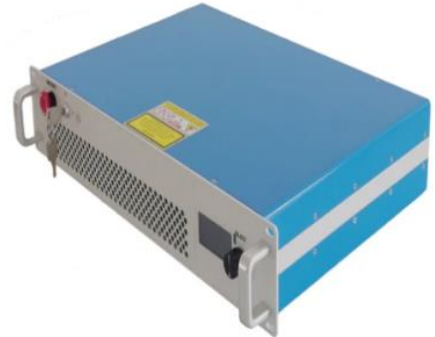




FLN1550 Series 1550nm High Frequency Nanosecond Pulsed Fiber Laser up to 1000mW

Overview

The FLN1550 series high frequency all fiber pulsed laser is ideal for applications that require a wavelength of 1550nm and output power levels up to 1000mW. The laser is constructed with features of pulse duration <50ns, high output power stability, good beam profile, ultra-compact design, long lifetime, cost effectiveness, and easy operation. It is commonly used in laser radar, laser ranging, telemetry, 3D scanning, medical cosmetology, holography, spectrum analysis, scientific experiment, optical instrument, interference, security, and many other applications.



Specifications

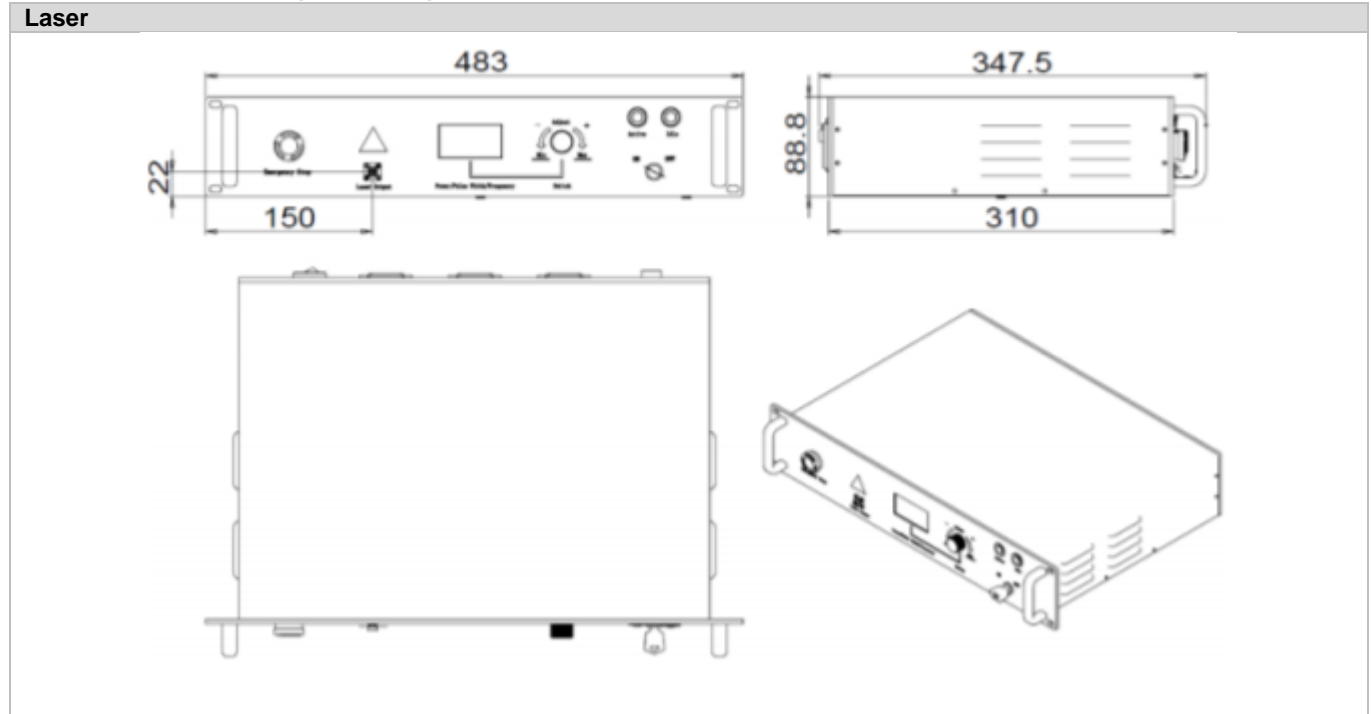
Model Number	FLN1550-XZP	
Wavelength (nm)	1550±1	
Operating mode	Pulsed	
Output power (mW)	~500 (X=500), ~1000 (X=1W)	
Pulse width (ns)	One fixed value: 0.5~50ns (P=specify value) Adjustable: 0.5~50ns (P=A1), 5~50ns (P=A2)	
Power stability (rms, over 4 hours)	<3% (Z=E)	
Repetition frequency (kHz)	50-1000	
Transverse mode	TEM ₀₀	
M ² factor	<1.5	
Polarization ratio	Random / >15dB	
Delivery cable length (m)	Variable	
Warm-up time (minutes)	<15	
Operating temperature (°C)	15-35	
Laser	Input voltage	220V AC
	Dimensions	220(L) x150(W) x75(H) mm ³
	Weight	7 kg
Expected lifetime (hours)	10,000	
Warranty	10 months	
FDA Compliance	FDA CDRH Title 21 CFR 1040.10/11 Class IIIb	

Remarks:

- The fiber lasers are designated solely as OEM components for incorporation into the customer's end products. It is the customer's responsibility to comply with FDA requirements of FDA 21CFR, section 1040.10 and 1040.11 for complete laser products. For the code of FDA regulations, please refer to [FDA Performance Standards for Light-Emitting Products](#) for detailed information.



Outline Dimensions (unit: mm)



Note: The above specifications are subject to change without notice.