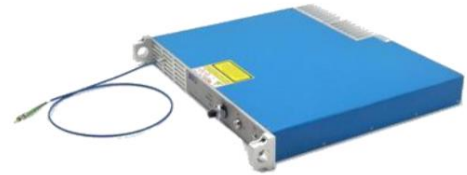




FLS1550 Series 1550nm Single Frequency Mode Fiber Laser up to 1000mW

Overview

The FLS1550 series all polarization fiber single frequency mode high power laser is ideal for applications that require a wavelength of 1550nm and output power levels up to 1000mW. The laser consists of the seed laser and an amplifier optimized for low noise operation and application, demanding more optical power. It is designed for operation in acoustic and seismic sensing, medical cosmetology, LIDAR, metrology, wind sensing, security, experimental research, and many other applications.

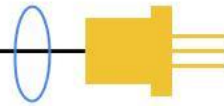


Specifications

Model Number		FLS1550-XZ-R	
Wavelength (nm)		1550±1	
Operating mode		CW	
Output power (mW)		~300 (X=300), ~500 (X=500)	~800 (X=800), ~1000 (X=1W)
Power stability (rms, over 4 hours)		<3% (Z=E), <1% (Z=D)	
Transverse mode		TEM ₀₀	
Longitudinal mode		Single	
Spectral linewidth (kHz)		<100	<2000
M ² factor		<1.2	
Beam delivery optics		FC/APC	
Polarization ratio (dB)		>15	
Warm-up time (minutes)		<15	
Beam height from base plate (mm)		58	
Operating temperature (°C)		15-35	
Laser	Input voltage	12V DC	12V DC
	Dimensions	420(L) x380(W) x49(H) mm ³	264(L) x214(W) x75(H) mm ³
	Weight	7 kg	3 kg
Expected lifetime (hours)		10,000	
RS232 Interface Option		No (R=blank), Yes (R=R)	
Warranty		10 months	
FDA Compliance		FDA CDRH Title 21 CFR 1040.10/11 Class IV	

Remarks:

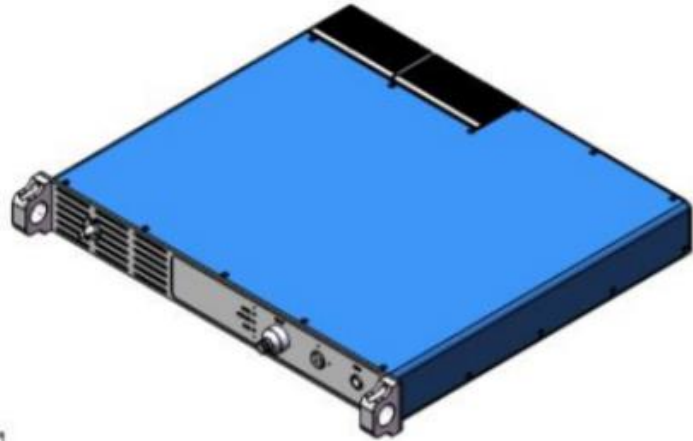
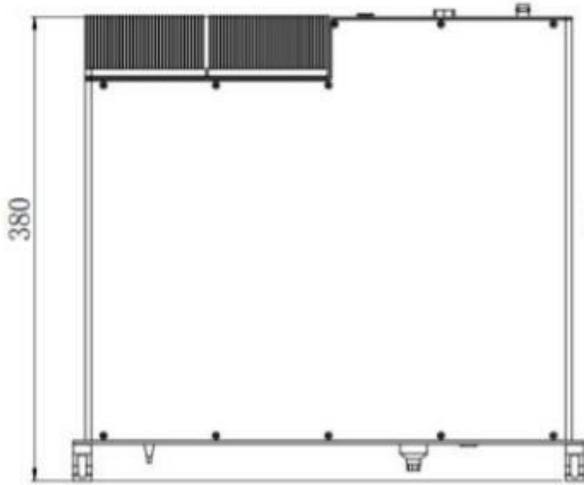
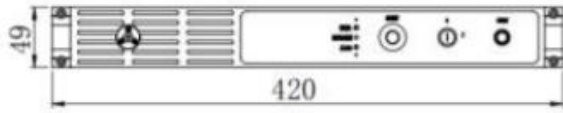
- The fiber lasers are designated solely as OEM components for incorporation into the customer's end products. It is the customer's responsibility to comply with FDA requirements of FDA 21CFR, section 1040.10 and 1040.11 for complete laser products. For the code of FDA regulations, please refer to [FDA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



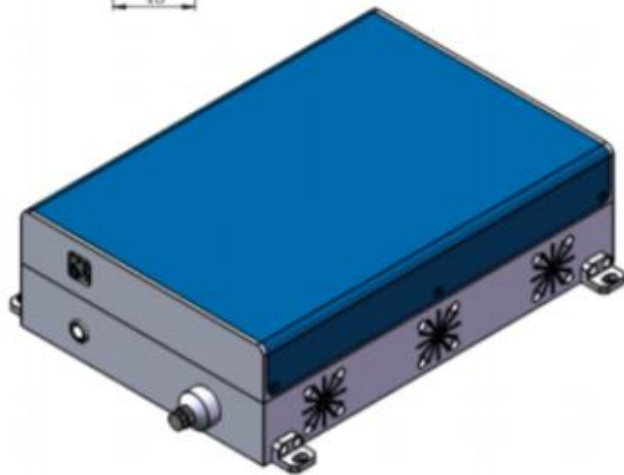
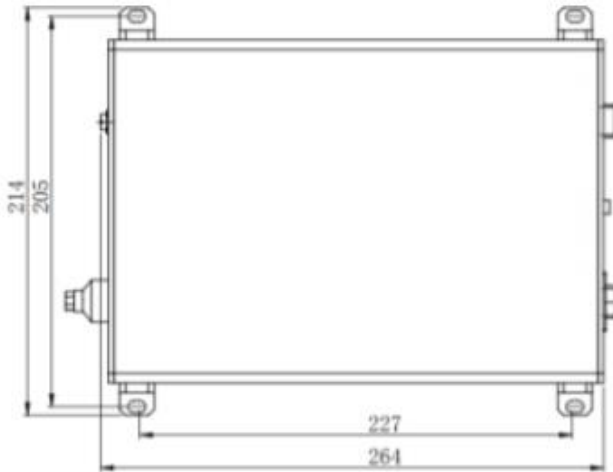
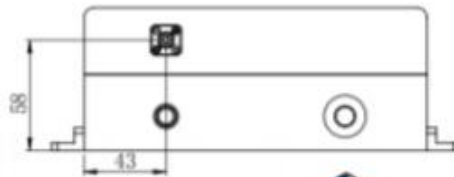
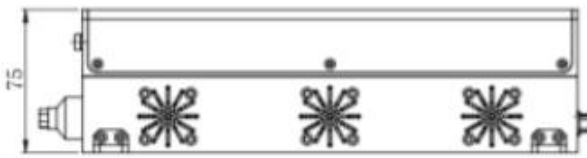
Outline Dimensions (unit: mm)

Laser

Laser for Spectral Linewidth <100kHz



Laser for Spectral Linewidth <2000kHz



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