



## FLC1550 Series 1550nm CW Fiber Laser up to 10000mW

### Overview

The FLC1550 series all fiber continuous wave laser is ideal for applications that require a wavelength of 1550nm and output power levels up to 10W. The laser is constructed with features of high power, ultra-compact design, long lifetime, cost effectiveness, and easy operation. It is commonly used in medical cosmetology, holography, spectrum analysis, scientific experiment, and many other applications.



### Specifications

<b>Model Number</b>		<b>FLC1550-XZ</b>
Wavelength (nm)		1550±10
Operating mode		CW or Modulated (≤2kHz)
Output power (mW)		~3000 ( <b>X=3W</b> ), ~5000 ( <b>X=5W</b> ), ~10000 ( <b>X=10W</b> )
Power stability (rms, over 4 hours)		<3% ( <b>Z=E</b> )
Delivery fiber length (m)		2-5
Output fiber termination		Collimator
Beam diameter (mm, 1/e <sup>2</sup> )		4±1
M <sup>2</sup> factor		<1.2
Polarization state		Random / >15dB
Warm-up time (minutes)		<15
Operating temperature (°C)		15-35
Laser	Input voltage	12V DC
	Dimensions	220(L) x150(W) x75(H) mm <sup>3</sup>
	Weight	3.5 kg
Expected lifetime (hours)		10,000
Warranty		10 months
FDA Compliance		FDA CDRH Title 21 CFR 1040.10/11 Class IV

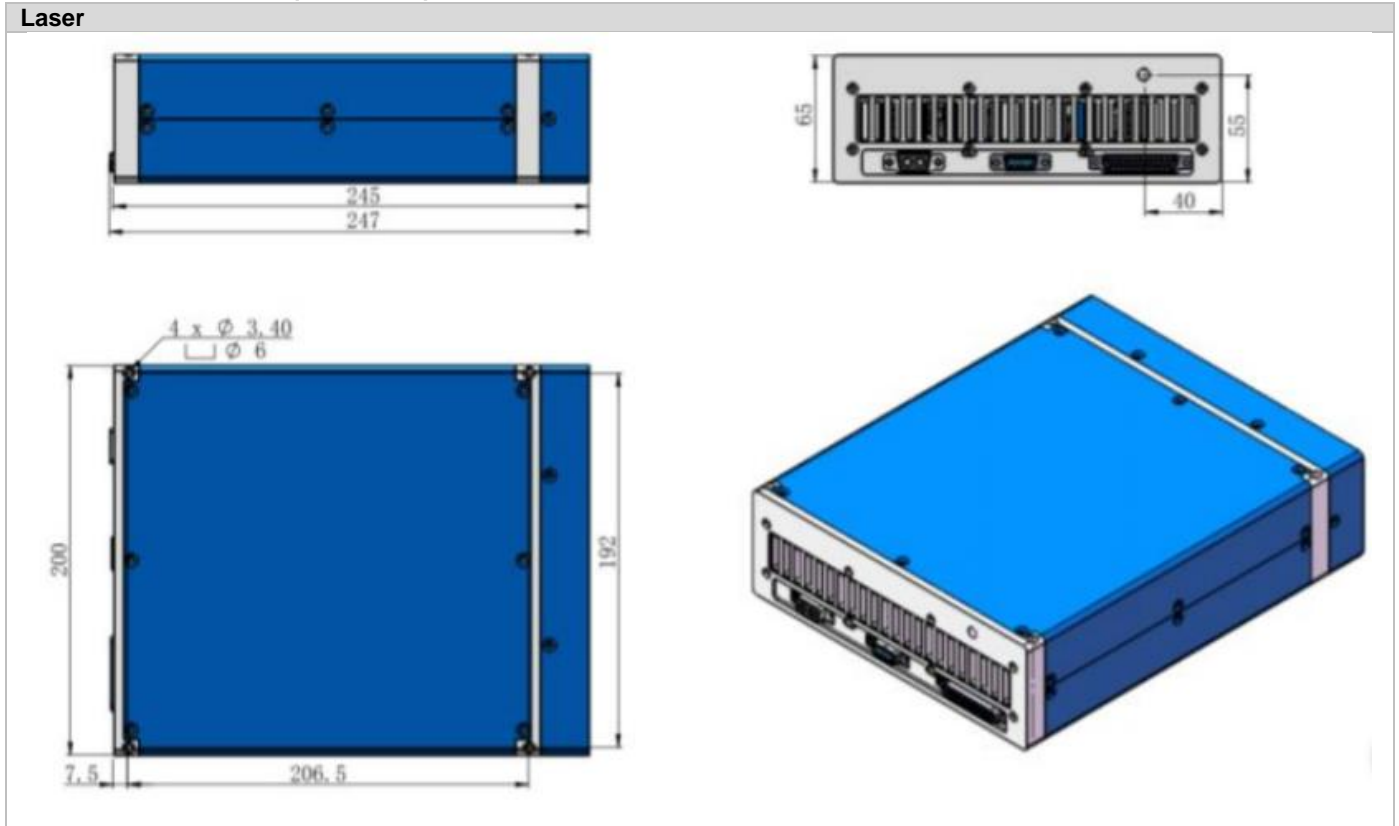
#### Remarks:

- 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**



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