

FL-1053-LN-L/1-10W

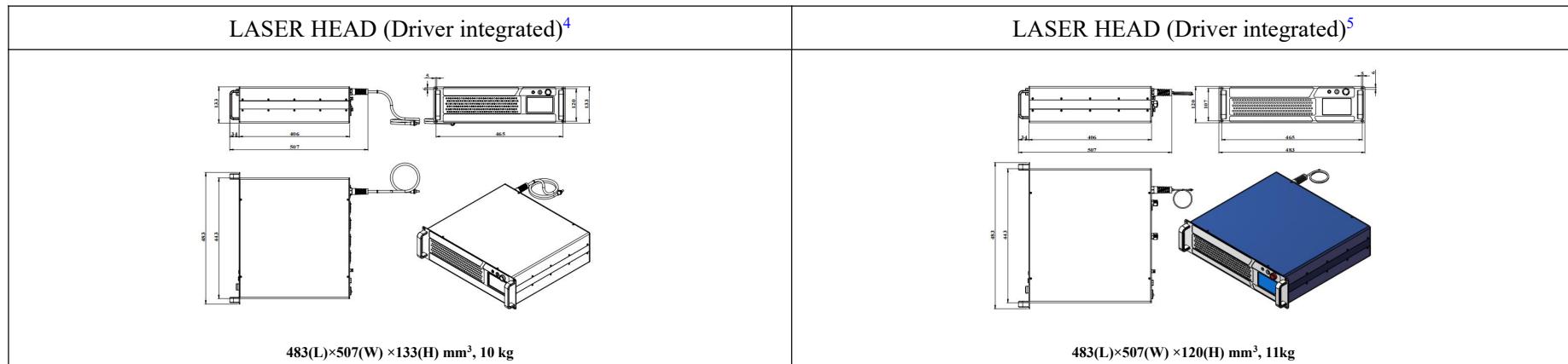
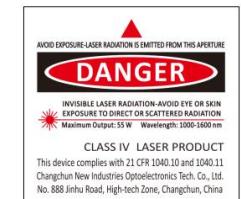
**LOW-NOISE  
FIBER LASER AT 1053 nm**

The 1053nm low-noise laser has the characteristics of ultra-stable output power, excellent beam quality and extremely low relative intensity noise(RIN). Which is widely used in Wafer inspection, pumping source and scientific research , etc.



**SPECIFICATIONS**

Wavelength (nm)	1053±1		
Operating mode	CW		
Output power (W)	1mW-W	1-5W	5-10W
Power stability (rms, 4 hours ±3°C)	<2%, <1%, <0.5%		
Longitudinal mode	Single		
Current adjustment range	1-100%		
Spectral linewidth (nm)	<0.004		
Relative intensity noise (DC-3MHz)	<0.1%, <0.05%		
Frequency shift (MHz)(over ±2°C and 8hours )	±200		
M <sup>2</sup>	TEM <sub>00</sub> , <1.1		
Fiber connector <sup>1</sup>	FC/APC, Collimator optional		
Fiber length(m) <sup>2</sup>	1		
Fiber Jacket	PVC, Metal optional		
Beam diameter (mm) <sup>3</sup>	4±1 (Collimator output)		
Pointing stability over temperature (urad/°C)	<50		
Polarization ratio (dB)	>15: after PM fiber		
Warm-up time (minutes)	<30		
Cooled method	Air cooled/Water cooled (optional)		
Operating temperature (°C)	15-30		
Power supply (VAC)	110/220VAC		
Expected lifetime (hours)	>10000		



1 Other output mode can be customized. 2 Other lengths are available on request. 3 Other beam diameter can be customized.

4 Air cooled. 5 Water cooled.