



FL-1027-LN-L/1-10W

LOW-NOISE FIBER LASER AT 1027 nm

The 1027nm 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, Optical trap, Holographic imaging, pumping source and scientific research , etc.

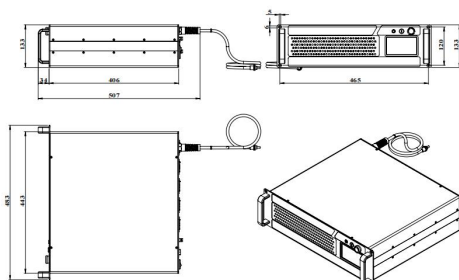


SPECIFICATIONS

Wavelength (nm)	1027±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 ²	TEM ₀₀ , <1.1		
Fiber connector ¹	FC/APC, Collimator optional		
Fiber length(m) ²	1		
Fiber Jacket	PVC, Metal optional		
Beam diameter (mm) ³	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		

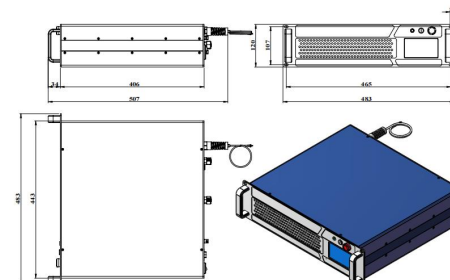


LASER HEAD (Driver integrated)⁴



483(L)×507(W) ×133(H) mm³, 10 kg

LASER HEAD (Driver integrated)⁵



483(L)×507(W) ×120(H) mm³, 11kg

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.