



FL-1053-LN-H/10-35W

LOW-NOISE FIBER LASER AT 1053 nm

The 1053nm low-noise laser has the characteristics of high 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.

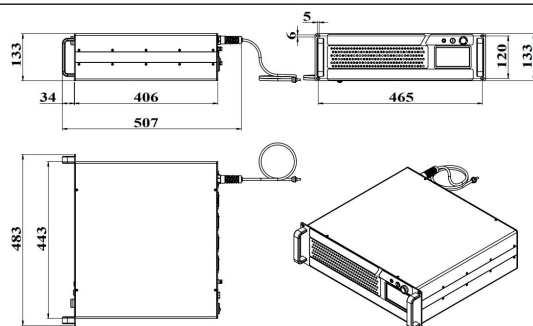


SPECIFICATIONS

Selectable wavelength range(nm)	1014-1060
Typical wavelength (nm)	1053
Operating mode	CW
Output power (W) ¹	10-35
Power stability (rms, 4 hours ±3°C)	<1%, <0.5%
Transverse mode	TEM ₀₀
Longitudinal mode	SLM
Current adjustment range	1-100%
Spectral linewidth (nm)	<0.004
Relative intensity noise (rms,10Hz-3MHz)	<0.1%, <0.05%
Frequency shift (MHz) (over ±2°C and 8 hours)	<±200
M ²	TEM ₀₀ , <1.1
Fiber connector	Collimator
Fiber length(m) ²	<3
Fiber jacket	Metal
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 (≤20W) Water cooled (≤35W)
Operating temperature (°C)	15-30
Power supply (VAC)	110/220VAC
Expected lifetime (hours)	>10000

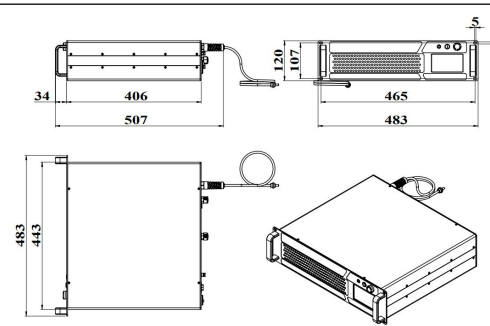


DIMENSION⁴



483(L)×507(W)×133(H) mm³, 14.5 kg

DIMENSION⁵



483(L)×507(W)×120(H) mm³, 17.5 kg

1 Any power level can be selected in this range. 2 Other lengths are available on request. 3 Other beam diameter can be customized. 4 Air cooled. 5 Water cooled.