FL-355-SLM/10-20mW

SINGLE LONGITUDINAL MODE LASER AT 355 nm

The single-longitudinal-mode, PM fiber laser at 355nm has the features of stable output power, narrow linewidth, low intensity noise and excellent beam quality, which has been designed for Interferometric exposure, Wafer measurement and Precision measurement,etc.

SPECIFICATIONS

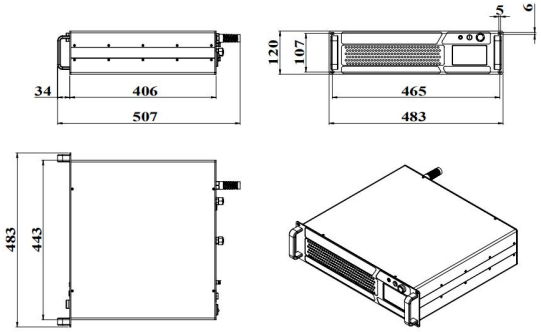
Wavelength (nm)	355±1	
Operating mode	CW	
Output power (mW)	10	20
Transverse mode	TEM_{00}	
Longitudinal mode	SLM	
Spectral linewidth (kHz)	<50, <20	
Power stability (rms, 4 hours ±3°C)	<1%, <0.5%	
Relative intensity noise (rms, 10Hz-3MHz)	<0.5%, <0.3%	
M^2	<1.2	
Beam diameter (mm)	0.6±0.1	
Beam divergence, full angle (mrad)	<1	
Beam ellipticity	>90%	
Pointing stability (urad)	<50, <15	
Polarization ratio	>100:1	
Warm-up time (minutes)	<30	
Beam height from base plate (mm)	38.5	
Cooled method	Water cooled	
Operating temperature (°C)	15-30	
Operating voltage (VAC)	110/220VAC	
Expected lifetime (hours)	>10000	





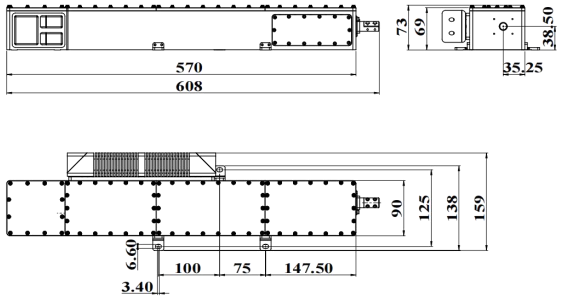
DIMENSION

Fundamental Frequency



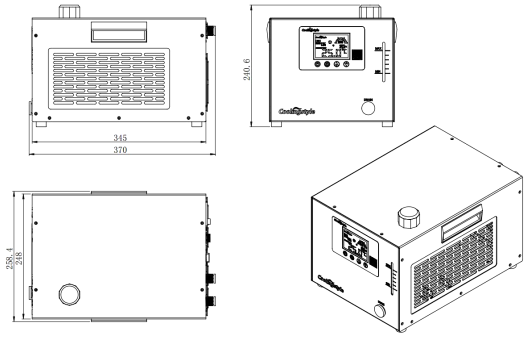
507(L)×483(W) ×120(H) mm^3, 19kg

Third harmonic



608(L)×73(W) ×159(H) mm^3, ~7.3kg

WATER CHILLER (WCH-580)



258.4(L)×370(W) ×240.6(H) mm^3, 10kg