



FL-1064-Nano/0.5W-30W

SPECIFICATIONS

HIGH FREQUENCY ALL FIBER
PULSED LASER

High frequency all fiber pulsed laser at 1064nm is made features of high output power stability, good beam profile, ultra compact, long lifetime, low cost and easy operating, which is widely used in laser radar, life science, material processing, microelectronics, scientific research, etc.



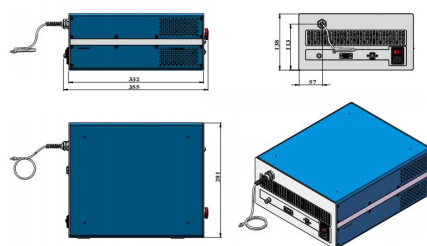
	I			II
Wavelength (nm)	1064±1			
Operating mode	Pulsed			
Average power (W) ¹	0.5-10			10-30
Power stability (rms, 4 hours ±3°C)	<3%, <2%			
Pulse duration (ns)	0.5-5	5-100	100-250	4,8,14,20,30
M ²	<1.8			<1.3
Rep. rate	100kHz-1MHz(adjustable)			20kHz-1MHz
Fiber connector ²	FC/APC, Collimator optional			Collimator
Fiber length (m) ³	1			4
Fiber jacket	PVC, Metal optional			
Beam diameter (mm) ⁴	4±1 (Collimator output)			6±1 (Collimator output)
Polarization ratio(dB)	Random / > 15			
Warm-up time (minutes)	<15			
Cooled method	Air cooled			
Operating temperature (°C)	15-35			
Operating voltage (VDC/VAC)	12V/11.5A or 110/220VAC			24V/21A
Expected lifetime (hours)	>10000			



LASER HEAD (Driver integrated) (FL-1064-Nano-I)⁵

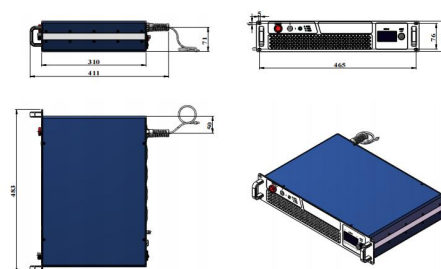
POWER SUPPLY
(100-240VAC) optional

FL-1064-Nano-LAB (110/220VAC)⁶



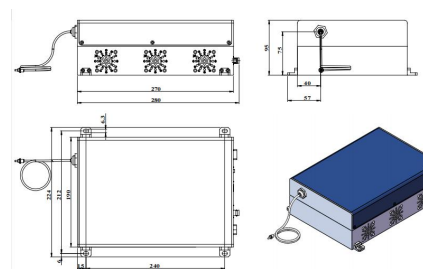
355(L)×281(W)×138(H) mm³, 5.5kg

FL-1064-Nano-IND (110/220VAC)⁷

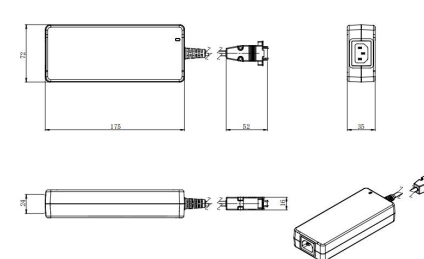


483(L)×411(W)×89(H) mm³, 5kg

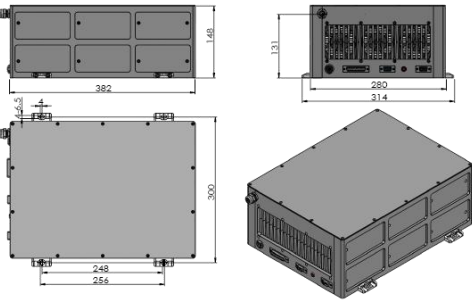
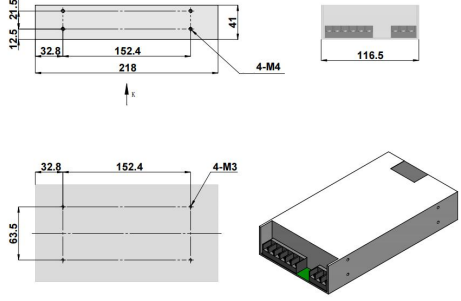
FL-1064-Nano-OEM (12VDC)⁸



280(L)×224(W)×95(H) mm³, 3.5kg



350(L)×185(W)×60(H) mm³, 0.7kg

LASER HEAD (Driver integrated) (FL-1064-Nano-II) ⁹	POWER SUPPLY (100-240VAC) optional
 382(L)×314(W)×148(H) mm³, 13.3kg	 218(L)×116.5(W)×41(H) mm³, 1.1kg

- 1 Output power adjustable 10-100%;
- 2 Other output mode can be customized.
- 3 Other lengths are available on request.
- 4 Other beam diameter can be customized.
- 5 Average power ≤10W.
- 6 Operating voltage is AC 110/220V and with a touch screen.
- 7 Operating voltage is AC 110/220V and with a adjustable knob.
- 8 Operating voltage is DC 12V and RS 232 control.
- 9 Average power is 10-30W.