



FL-1080-Nano/0.5W-10W

HIGH FREQUENCY ALL FIBER
PULSED LASER

High frequency all fiber pulsed laser at 1080nm 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.



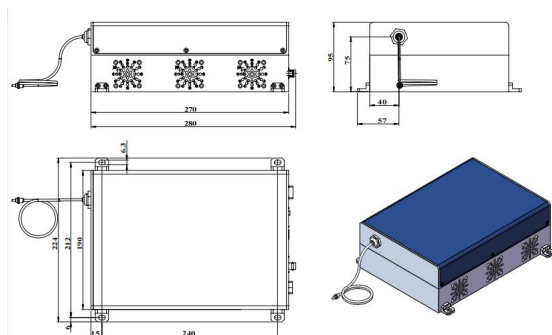
SPECIFICATIONS

Wavelength (nm)	1080±1		
Operating mode	Pulsed		
Average power (W) ¹	0.5-10		
Power stability (rms, 4 hours ±3°C)	<3%, <2%		
Pulse duration (ns) ²	0.5-5	5-100	100-250
Rep. rate	100kHz-1MHz (adjustable)		
M ²	<1.8		
Fiber connector ³	FC/APC, Collimator optional		
Fiber length (m) ⁴	1		
Fiber jacket	PVC, Metal optional		
Beam diameter (mm) ⁵	4±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		
Expected lifetime (hours)	>10000		



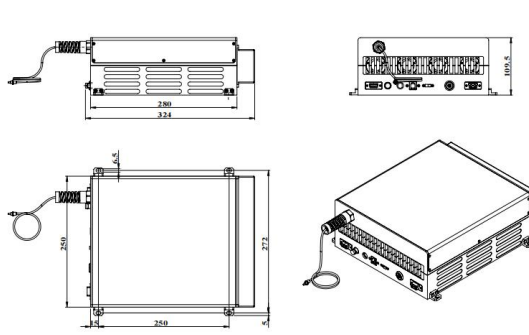
LASER HEAD (Driver integrated)⁶

FL-1080-Nano-OEM-I (<5W)



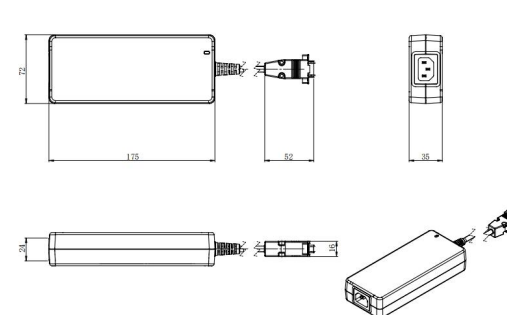
280(L)×224(W)×95(H) mm³, 3.5kg

FL-1080-Nano-OEM-II (>5W)

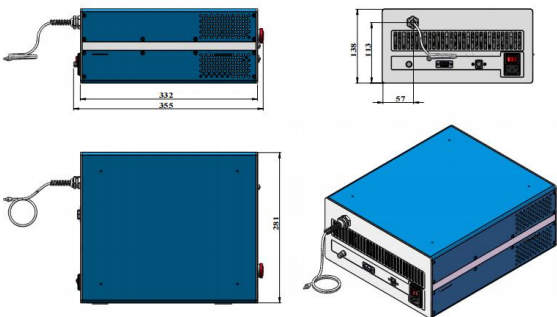
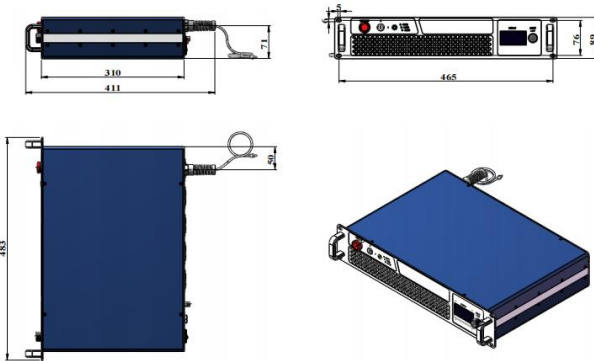


324(L)×282(W)×109.5(H) mm³, 8.5 kg

POWER SUPPLY
(100-240VAC) optional



350(L)×185(W)×60(H) mm³, 0.7kg

DIMENSION	
FL-1080-Nano-LAB ⁷	FL-1080-Nano-IND ⁸
 355(L)×281(W) ×138(H) mm³, 5.5kg	 483(L)×411(W) ×89(H) mm³, 5kg

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