



FL-1550-Nano/50mW-1W

HIGH FREQUENCY ALL FIBER
PULSED LASER

High frequency all fiber pulsed laser at 1550nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in laser radar, laser ranging, telemetry, 3D scanning, medical cosmetology, holography spectrum analysis, scientific experiment, optical instrument, interference, security, etc.



SPECIFICATIONS

Wavelength (nm)	1550±1	
Operating mode	Pulsed	
Average power (mW) ¹	50mW-1W	
Power stability (rms, 4 hours ±3°C)	<3%, <2%	
Pulse duration (ns)	0.5-5 (adjustable)	5-50 (adjustable)
Rep. rate	50kHz-1MHz	
Transverse mode	TEM ₀₀	
M ²	<1.5	
Fiber connector ²	FC/APC, Collimator optional	
Fiber length (m) ³	1	
Fiber jacket	PVC, Metal optional	
Beam diameter (mm) ⁴	4±1 (Collimator output)	
Polarization state (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)			POWER SUPPLY (100-240VAC) optional
FL-1550-Nano-LAB (110/220VAC) ⁵	FL-1550-Nano-IND (110/220VAC) ⁶	FL-1550-Nano-OEM (12VDC) ⁷	
355(L)×281(W)×138(H) mm³, 5.5kg	483(L)×411(W)×89(H) mm³, 5kg	280(L)×224(W)×95(H) mm³, 3.5kg	350(L)×185(W)×60(H) mm³, 0.7kg

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 Touch screen. 6 Adjustable knob. 7 RS 232 control.