



FL-1550-Pico/100mW-1W

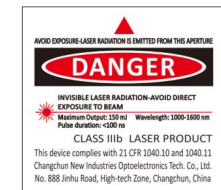
PICOSECOND ALL FIBER PULSED LASER

Picosecond all fiber pulsed laser at 1550nm is made features of high output power stability, good beam profile, ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in laser radar, precision marking, precision drilling, life science, precision etching, microelectronics, scientific research, etc.



SPECIFICATIONS

Wavelength (nm)	1550±1
Operating mode	Pulsed
Average power (mW) ¹	100mW-1W
Power stability (rms, 4 hours ±3°C)	<3%, <2%
Pulse duration (ps) ²	100-900
Rep. rate ³	100kHz-20MHz
M ²	<1.2
Fiber connector ⁴	FC/APC, Collimator optional
Fiber length (m) ⁵	1
Fiber jacket	PVC, Metal optional
Beam diameter (mm) ⁶	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
Expected lifetime (hours)	>10000



LASER HEAD (Driver integrated)		POWER SUPPLY (100-240VAC) optional
FL-1550-Pico-I ⁷	FL-1550-Pico-II ⁸	
<p>280(L)×224(W)×95(H) mm³, 3.5kg</p>	<p>324(L)×282(W)×109.5(H) mm³, 8.5 kg</p>	<p>350(L)×185(W)×60(H) mm³, 0.7kg</p>

1 Output power adjustable 10-100%. 2 One fixed value between 100-900ps; 100-900ps variable can be customized.

3 One fixed value between 0.1-20MHz. Repetition rate variable or other frequency can be customized. 4 Other output mode can be customized.

5 Other lengths are available on request. 6 Other beam diameter can be customized. 7 Peak power<5kW. 8 Peak power>5kW.