



FL-1070-Pico/10mW-5W

PICOSECOND ALL FIBER PULSED
LASER

Picosecond all fiber pulsed laser at 1070nm 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)	1070±1	
Operating mode	Pulsed	
Average power (mW) ¹	10-100mW	100mW-5W
Power stability (rms, 4 hours ±3°C)	<3%, <2%	
Pulse duration (ps) ²	100-900	
Rep. rate ³	100kHz-20MHz	
M ²	<1.2	<1.8
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-1070-Pico-I ⁷	FL-1070-Pico-II ⁸	
 280(L)×224(W)×95(H) mm ³ , 3.5kg	 324(L)×282(W)×109.5(H) mm ³ , 8.5 kg	 350(L)×185(W)×60(H) mm ³ , 0.7kg

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.