



FL-540-Pico/1mW-1W

PICOSECOND ALL FIBER PULSED LASER

Picosecond all fiber pulsed laser at 540nm 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 TCSPC, picosecond processing, laser drilling, glass engraving, scientific research, etc.



SPECIFICATIONS

Wavelength (nm)	540±1	
Operating mode	Pulsed	
Average power (mW) ¹	1-100	100mW-1W
Power stability (rms, 4 hours ±3°C)	<5%, <3%, <2%	
Pulse duration (ps) ²	100-900	
M ²	<1.5	<2
Rep. rate ³	100kHz-20MHz	100kHz-1MHz
Polarization ratio (dB)	>15 Horizontal (Vertical optional)	
Warm-up time (minutes)	<15	
Beam height from base plate (mm)	30	
Delivery cable length (cm) ⁴	60	
Cooled method	Air cooled	
Operating temperature (°C)	15-35	
Operating voltage (VDC)	12V/11.5A	
Expected lifetime (hours)	>10000	



LASER HEAD (Driver integrated)			POWER SUPPLY (100-240VAC) optional
Fundamental Frequency	Second harmonic		
280(L)×224(W)×95(H) mm³, 3.5kg	183.5(L)×78(W)×46.5(H) mm³, 1kg	Second harmonic FL-1080-Pico	350(L)×185(W)×60(H) mm³, 0.7kg

1 The output power was measured at 1MHz, the value varies with different frequency.

2 One fixed value between 100-900ps; 100-900ps variable can be customized.

3 One fixed value between 0.1~20MHz or 0.1-1MHz. Repetition rate variable or other frequency can be customized. 4 Other lengths are available on request.