



FL-775-Pico/50-200mW

PICOSECOND ALL FIBER PULSED LASER

Picosecond all fiber pulsed laser at 775nm 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)	775±1
Operating mode	Pulsed
Average power (mW) ¹	1-200
Power stability (rms, 4 hours ±3°C)	<5%, <3%
Pulse duration (ps) ²	100-900
M ²	<1.5
Rep. rate ³	100kHz-20MHz
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	
<p style="text-align: center;">280(L)×224(W)×95(H) mm³, 3.5kg</p>	<p style="text-align: center;">183.5(L)×78(W)×46.5(H) mm³, 2kg</p>	<p style="text-align: center;">350(L)×185(W)×60(H) mm³, 0.7kg</p>

- The output power was measured at 1MHz, the value varies with different frequency.
- One fixed value between 100-900ps; 100-900ps variable can be customized.
- One fixed value between 0.1-20MHz. Repetition rate variable or other frequency can be customized. 4 Other lengths are available on request.