



FL-1550-PS/1-2W

## PICOSECOND ALL FIBER PULSED LASER

Picosecond all fiber pulsed laser at 1550nm with SESAM technique 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	Passively	
Average power (mW)	1-100mW	100mW-2W
Power stability (rms, 4 hours ±3°C)	<3%, <2%, <1%	<3%, <1%, <0.5%
Pulse duration (ps)	<10	
M <sup>2</sup>	<1.2	<1.5
Rep. rate <sup>1</sup>	20-60MHz	
Fiber connector <sup>2</sup>	FC/APC, Collimator optional	
Fiber length (m) <sup>3</sup>	1	
Fiber jacket	PVC, Metal optional	
Polarization ratio (dB)	Random / > 15	
Warm-up time (minutes)	<15	
Cooled method	Air cooled	
Operating temperature (°C)	15-35	
Operating voltage (VDC)	12V/11.5A	
Expected lifetime (hours)	>10000	



<p><b>LASER HEAD (Driver integrated)</b></p> <p style="text-align: center;">286(L)×190(W) ×95(H) mm<sup>3</sup>, 3.5kg</p>	<p><b>POWER SUPPLY (100-240VAC) optional</b></p> <p style="text-align: center;">350(L)×185(W) ×60(H) mm<sup>3</sup>, 0.7kg</p>
--	--

- 1 One fixed value between 20-60, frequency accuracy ±1 MHz.
- 2 Other output mode can be customized.
- 3 Other lengths are available on request.