

FL-SLM-Seed Series (1800-2000nm)

SINGLE FREQUENCY MODE SEED LASER

The single-longitudinal-mode, PM fiber seed laser at 1800-2000nm, excellent beam quality, narrow linewidth and high output power stability, which has been designed for operation in optical traps, pumping source, scientific research, quantum computing, etc.



SPECIFICATIONS

Selectable wavelength range(nm)	1800-2000
Typical wavelength (nm)	1908, 1952
Operating mode	CW
Output power (mW) ¹	1-10
Power stability (rms, 4 hours $\pm 3^{\circ}\text{C}$)	<3%, <2%, <1%
Temperature Turning range (nm)	>0.5
Transverse mode	TEM ₀₀
Output mode	Single-mode PM fiber
Numerical aperture	0.14NA
Fiber connector ²	FC/APC
Fiber length(m) ³	1
Fiber jacket	PVC, Metal optional
Spectral linewidth (kHz)	<50
Polarization ratio (dB)	>15, after PM fiber
M ²	<1.1
Relative intensity noise (rms, 10Hz-3MHz)	<0.1%, <0.05%, <0.03%
Cooled method	Conduction cooled
Operating temperature ($^{\circ}\text{C}$)	15-30
Power dissipation (W)	12
Operating voltage (VDC)	12V/11.5A
Expected lifetime (hours)	>10000

1 Any power level can be selected in this range.

2 Other output mode can be customized.

3 Other lengths are available on request.