

# Temperature Stabilized SM Fiber Output Superluminescent Light Source FOLS-04



FOLS-04 is SM fiber output superluminescent light source with SM output fiber, SLD chip, TEC, driving circuit and power supply.

680nm ~ 1540nm wavelength region can be selected for each application.

SLD emits wide band spectrum and high power low-coherent beam.

Output power is 1mW CW.

Pulse emission is achieved with external TTL trigger input.

SLD module inside is temperature controlled for stable power and wavelength operation.

## Property

- Fiber output for easy use
- Visible and infra-red
- Wide band spectrum and high power low-coherent beam
- Stable power and wavelength operation
- Pulse emission with external TTL trigger input

## Application

- Fringe-free and speckle-free optical measurement
- Spectral analysis
- Optical sensing

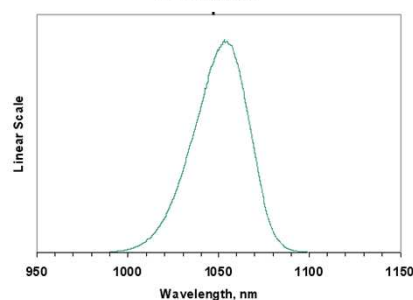
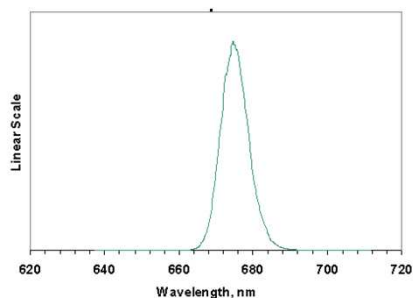
## Specifications

peak wavelength(nm)	680	780	830	1050	1310	1540
tolerance(nm)	±10	±10	±10	±10	±10	±10
spectral width(nm)	10	15	20	35	25	35
maximum output power(mW)	1	1	1	1	1	1
power stability(%)	±5	±5	±5	±5	±5	±5
MFD(um)	5.9	5.9	5.6	5.9	9.0	9.0
NA	0.14	0.14	0.14	0.14	0.13	0.13
device	SM fiber coupled superluminescent diode					
fiber length	>70cm					
output connector	FC/APC					
driving and control	ACC and temperature control					
pulse mode	TTL input(high-on) maximum repetition>1kHz					
power supply	AC100-240V 50/60Hz 0.42A					
dimension(mm)	60(W)x50(H)x120(D) /400g					

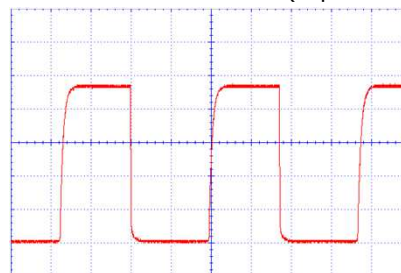
## LASER Safety Label



## Spectrum Example



## Pulse Emission(repetition 1kHz)



## External Dimension

