

[OEFLS-100]

Fiber Laser Sources

Features:

- High power
- Custom wavelength
- Stable output
- Turn-key solution
- Air-cooled package

Applications:

- Medical
- Spectroscopy
- Optical sensing
- Optical testing
- R&D



OEFLS-100

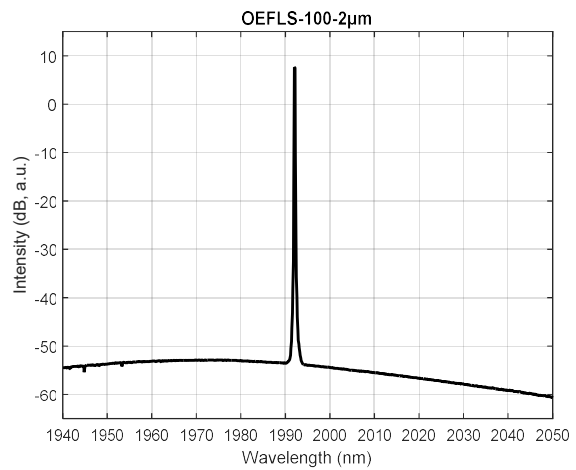
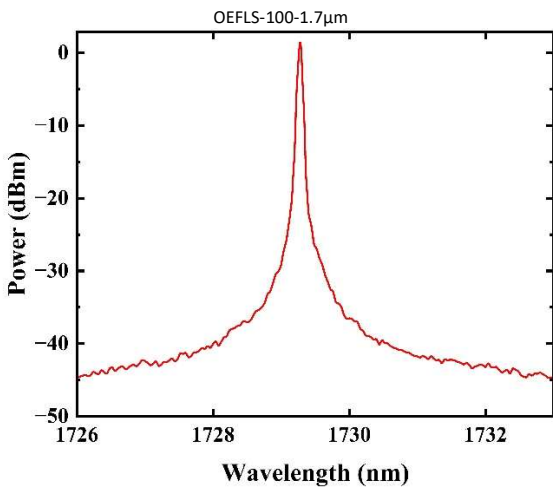
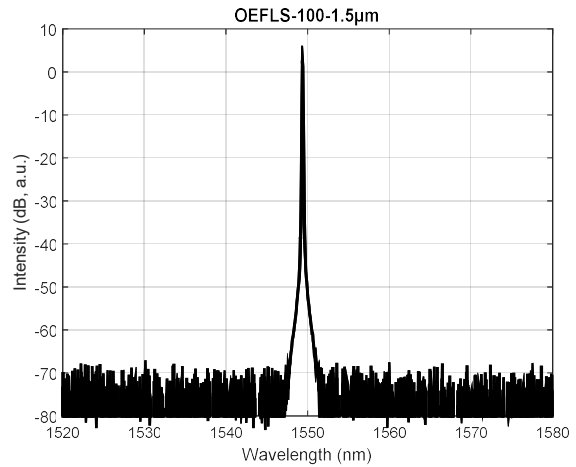
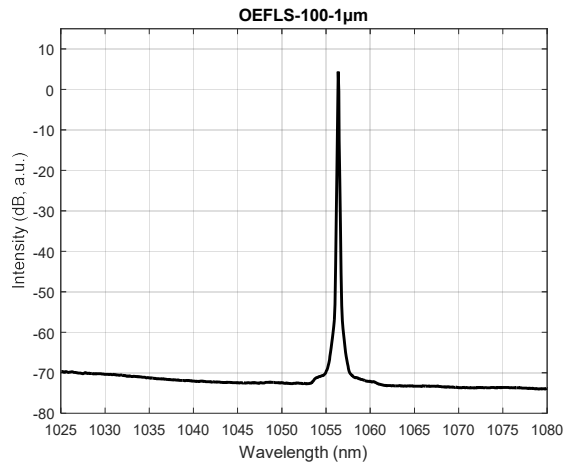
Product description:

High power fiber laser source is a new product in a wide spectrum range from 1 to 3 μm . Based on our advanced optical technologies, this laser provides stable single-mode operation output up to 20W CW optical power. The laser can be used in various applications including but not limited to medical, spectroscopy, sensing and R&D.

| Parameter | Unit | 1 μm | 1.2 μm | 1.3 μm | 1.4 μm | 1.5 μm |
|-----------------------|--------------------|--------------------------|-------------------|-------------------|-------------------|-------------------|
| Center Wavelength | nm | 1010-1100 | 1100-1260 | 1260-1380 | 1390-1500 | 1510-1630 |
| Bandwidth | nm | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Output power | W | 0.5 - 20 | 0.5 - 20 | 0.5 - 20 | 0.5 - 20 | 0.5 - 20 |
| ASE suppression | dB | > 50 | > 50 | > 50 | > 50 | > 50 |
| Output fiber type | - | SMF28-e or compatible | | | | |
| Output | - | FC, ST, SC or collimated | | | | |
| Polarization | - | Linear or random | | | | |
| Operating Temperature | $^{\circ}\text{C}$ | 0-50 | | | | |
| Dimension | cm | 7 x 19 x 31 or 32x37x16 | | | | |

| Parameter | Unit | 1.7 μm | 2 μm | 3 μm |
|-----------------------|--------------------|--------------------------|------------------------------------|-----------------|
| Center Wavelength | nm | 1640-1800 | 1810-2350 | 2600-3200 |
| Bandwidth | nm | <0.5 | <1 | <1 |
| Output power | W | < 1 | 0.5 - 20 | 0.02 |
| ASE suppression | dB | > 40 | > 50 | > 40 |
| Output fiber type | - | SMF28 | SMF, MMF, DCF Free space, ZBLAN | |
| Output | - | FC, ST, SC or collimated | | |
| Polarization | - | Linear or random | | |
| Operating Temperature | $^{\circ}\text{C}$ | 0-50 | | |
| Dimension | cm | 7 x 19 x 31 or 32x37x16 | | |

Product sample spectrum:



Ordering number:

| OEFLS-100-WL-P: | WL | P |
|------------------------|------------------|-------------------|
| | Wavelength (nm) | Average power (W) |
| Example: | OEFLS-100-1550-2 | |