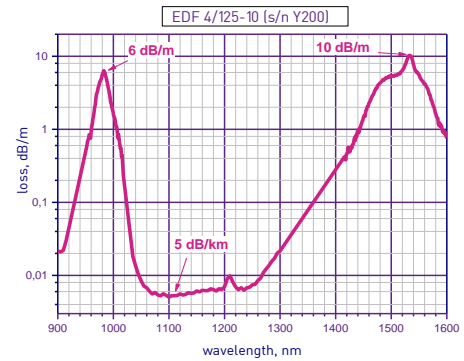


SPECIALTY FIBER ERBIUM DOPED FIBERS

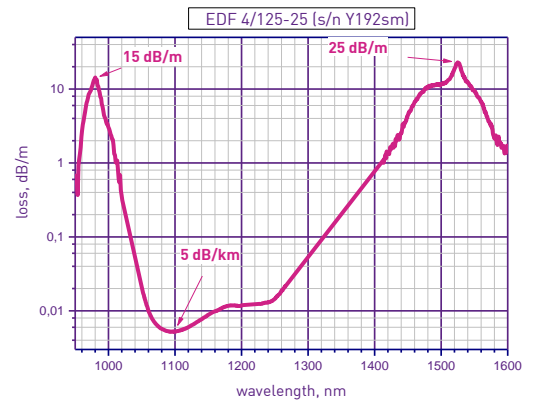
ARTICLE EDF 4/125-10

Erbium doped fiber EDF-4/125-10 is specially designed to achieve the highest efficiency of telecommunication amplifiers



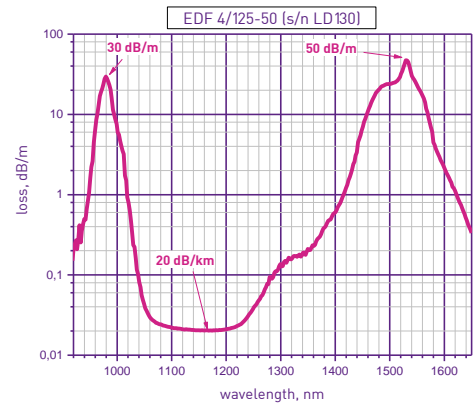
ARTICLE EDF 4/125-25

Erbium doped fiber EDF-4/125-25 is designed to minimize the amplifier length without pump-to-signal conversion efficiency degradation



ARTICLE EDF 4/125-50

Erbium doped fiber EDF-4/125-50 is designed for amplification of ultra-short pulses, when high efficiency, a short amplifier length and a high negative dispersion (-30..-50 ps/nm/km) are required



| FIBER SPECIFICATIONS | EDF-4/125-10 | EDF 4/125-25 | EDF 4/125-50 |
|---|-----------------|-----------------|-----------------|
| Core diameter, μm | 4 ± 0.5 | 4 ± 0.5 | 3.5 ± 0.5 |
| Core NA | 0.21 ± 0.03 | 0.24 ± 0.03 | 0.27 ± 0.03 |
| Core absorption (980 nm), dB/m | 6 ± 1 | 14 ± 2 | 30 ± 5 |
| Core absorption (1532 nm), dB/m | 10 ± 3 | 25 ± 5 | 50 ± 15 |
| Background loss (1100 nm), dB/km | < 10 | < 20 | < 30 |
| Clad diameter, μm | 125 ± 1 | 125 ± 1 | 125 ± 1 |
| Cutoff wavelength, μm | < 0.98 | < 0.98 | < 0.98 |
| Mode field diameter, μm | $5.5 \div 7.5$ | $5.5 \div 7.5$ | ~ 5.5 |
| Dispersion @ 1550nm, ps/nm/km | - | - | - 36 |
| Dispersion slope @ 1550nm, ps/nm ² /km | - | - | < 0.03 |

Other parameters are available on the request

