



LIEKKI™ Er110-4/125 fibers are highly doped erbium fibers for fiber lasers. High erbium concentration reduces required application fiber length while providing strong gain and reduced non-linear effects.

Features

- Excellent batch consistency of erbium peak absorption and spectral shape
- Short fiber length reduces non-linear effects like FWM, SRS and SBS
- Very good temperature behavior
- Low splice loss, LIEKKI™ EasySplice software for splicing parameters
- Suitable for both 980 nm and 1480 nm pumping
- Dual layer UV-cured acrylate coating

Applications

- Ultra-short pulse (femtosecond) amplifiers
- Low non-linearity applications

Proven Performance

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Typical Device Performance

Fiber		LIEKKI™ Er110-4/125
Optical		
Mode Field Diameter at 1550 nm	μm	6.5 ± 0.5
Peak Core Absorption at 1530 nm	dB/m	110 ± 10
Core Numerical Aperture (nominal)		0.2
Cut-off Wavelength	nm	800 - 980
Geometrical and Mechanical		
Core Concentricity Error	μm	< 0.7
Cladding Diameter	μm	125 ± 2
Cladding Geometry	μm	Round
Coating Diameter	μm	245 ± 15
Coating Material		High Index Acrylate
Proof Test	Kpsi	> 100