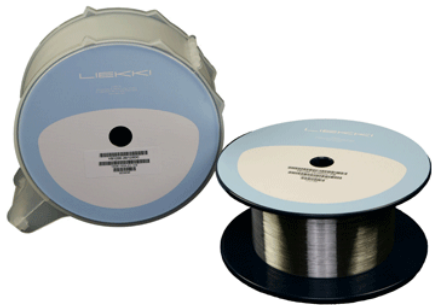


LIEKKI™ Er80-8/125

Large Mode Area Erbium Doped Fiber



LIEKKI™ Er80-8/125 fibers are large mode area erbium doped fibers suitable for medium power amplifiers and lasers.

Good spliceability, high doping and a large core make these fibers ideal for medium peak power pulse amplification in the eye-safe 1.5 μm wavelength region. LIEKKI™ Er80-8/125 fibers can be used also with 980 nm pumps.

Applications

- Short pulse amplifiers
- Medium power low non-linearity applications

Features

- Excellent batch consistency of erbium peak absorption and spectral shape
- Ideal for pulse amplification in 1550 nm range
- Short fiber lengths – typically less than 2 m
- Low splice loss with single mode and 1060 pigtail fibers
- Suitable for both 980 nm and 1480 nm pumping

Typical device specification

LIEKKI™ Er80-8/125

Optical

Mode field diameter at 1550 nm	μm	9.5 ± 0.8
Peak core absorption at 1530 nm	dB/m	80 ± 8
Core numerical aperture (nominal)		0.13
Cut-off wavelength	nm	1100 - 1400

Geometrical and mechanical

Core concentricity error	μm	< 0.7
Cladding diameter	μm	125 ± 2
Cladding geometry		round
Coating diameter	μm	245 ± 15
Coating material		high index acrylate
Proof test	%	> 1

Notice

nLIGHT continually improves its products to provide its customers with outstanding quality and reliability. nLIGHT may make changes to specifications and product descriptions at any time, without notice. In addition, nLIGHT offers a limited warranty to ensure customer satisfaction. For complete details, please contact your nLIGHT sales representative.