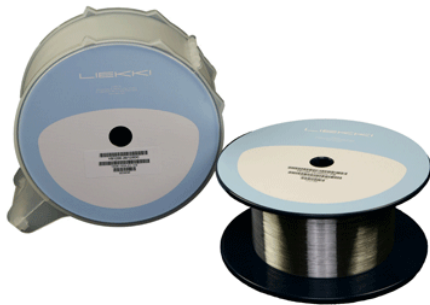


LIEKKI™ Er40-4/125

Erbium Doped Fiber



LIEKKI™ Er40-4/125 fibers are highly doped erbium fibers for L-band amplifiers requiring very low level of PMD and non-linear effects.

The typical fiber length per application is about 15m.

Applications

- L-band DWDM
- L-band ASE sources
- Low non-linearity applications

Features

- Excellent batch consistency of erbium peak absorption and spectral shape
- Very short fiber lengths reduces non-linear effects like FWM, SRS and SBS
- Wide and flat spectrum
- Low polarization mode dispersion, typical value <25 fs/m
- Low splice loss, LIEKKI™ EasySplice software for splicing parameters
- Suitable for both 980 nm and 1480 nm pumping
- Telcordia GR-1312-CORE Generic Requirements qualified
- Dual layer UV-cured acrylate coating

Typical device specification

LIEKKI™ Er40-4/125

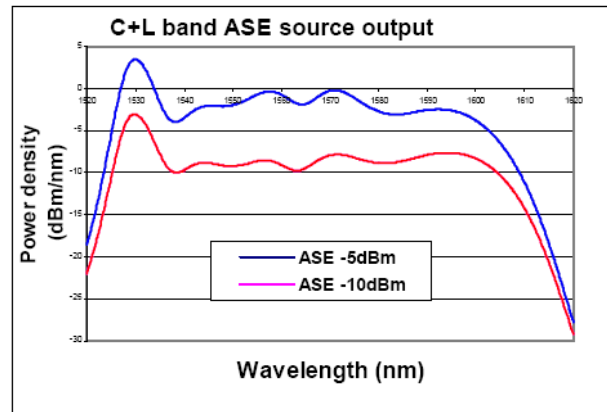
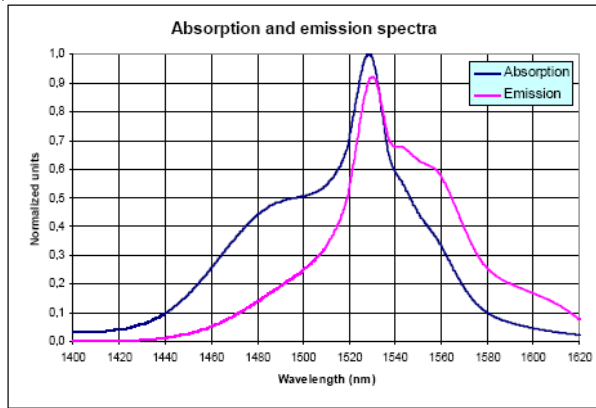
Optical

Mode field diameter at 1550 nm	μm	6.5 ± 0.5
Peak core absorption at 1530 nm	dB/m	40 ± 4
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		round
Coating diameter	μm	245 ± 15
Coating material		high index acrylate
Proof test	%	> 1

Typical performance data



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.