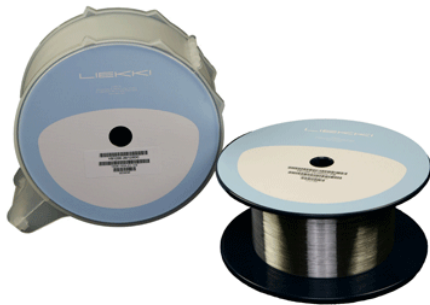


LIEKKI™ Er60-20/125

Large Mode Area Erbium Doped Fiber



LIEKKI™ Er60-20/125 fibers are large mode area erbium doped fibers suitable for medium power amplifiers and lasers. These fibers are ideally suited for compact, eye-safe (1.55 μm region) devices. Both 980 nm and 1480 nm pump diodes may be used for pump sources.

LIEKKI™ Er60-20/125 fibers are currently only available as double cladding (Er60-20/125 DC) fibers.

Applications

- Eye-safe fiber lasers (CW/pulsed) and amplifiers operating in 1.55 μm region

Features

- Good beam quality through low numerical aperture core
- Good efficiency
- Suitable for both 980 nm and 1480 nm pumping
- Pump combiner available

Typical device specification

LIEKKI™ Er60-20/125DC

Optical

| | | |
|---------------------------------|------|-------------|
| Peak core absorption at 1530 nm | dB/m | 60 ± 6 |
| Cladding absorption at 980 nm | | 0.5 |
| Core numerical aperture | nm | 0.07 ± 0.01 |

Geometrical and mechanical

| | | |
|----------------------------------|------|--------------------|
| Core diameter | | 20 ± 2 |
| Core concentricity error | μm | < 1.5 |
| Cladding diameter (flat-to-flat) | μm | 125 ± 2 |
| Cladding geometry | | octagonal |
| Coating diameter | μm | 245 ± 15 |
| Coating material | | low index acrylate |
| Cladding numerical aperture | | > 0.46 |
| Proof test | kpsi | > 100 |

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.