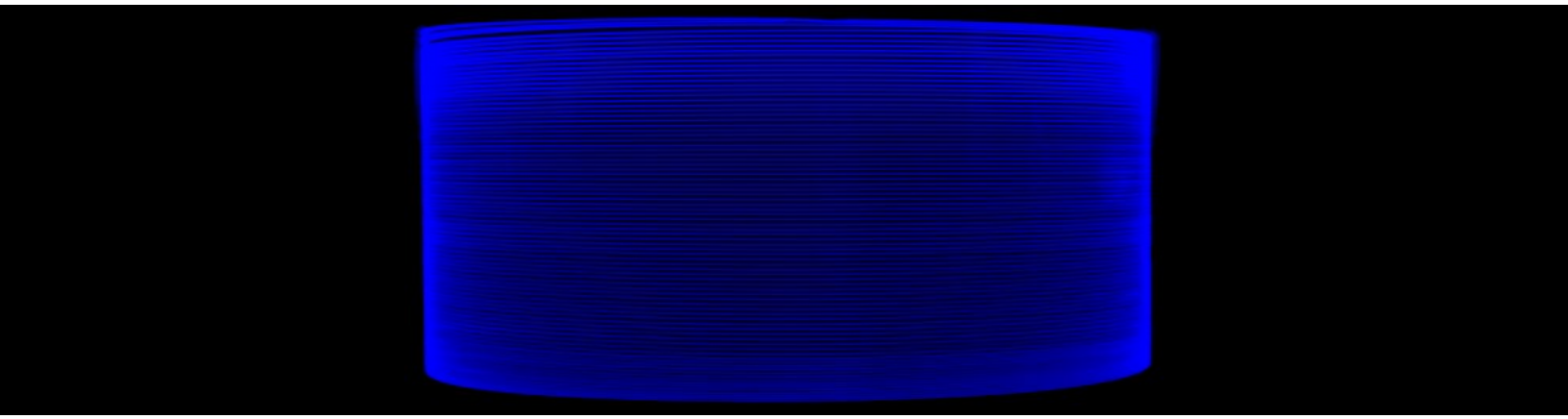
LIEKKI®

Er30-4/125

Single Mode Single Clad Erbium Doped Fiber



Features

- **Direct Nanoparticle Deposition**: Industry leading fiber deposition process
- **Performance**:
  Wide spectrum designed for C– and L-band amplifiers
  Low polarization mode dispersion, typical value <25 fs/m
  Suitable for both 980nm and 1480nm pumping
- **Reliability**: Telecom grade dual layer UV-cured acrylate coating
- **Compatibility**:
  Telecom-like geometry with good spliceability to standard SM fibers
  Telcordia GR–1312–CORE Generic Requirements qualified

Applications

- C– and L-band DWDM, Metro and CATV
- ASE sources
- Pre-amplifier for high power LIDAR

Typical Fiber Specifications

Fiber		LIEKKI® Er30-4/125
Optical	**Units**	
Mode Field Diameter at 1550 nm (1)	µm	6.5 ± 0.5
Peak Core Absorption at 1530 nm	dB/m	30.0 ± 3.0
Core Numerical Aperture (nominal)		0.2
Cut-off wavelength (2)	nm	890 ± 90
Geometrical and mechanical		
Core Concentricity Error, ≤	µm	0.7
Core Ellipticity Error, ≤	%	5.0
Cladding Diameter	µm	125 ± 2
Cladding Geometry		Round
Coating Diameter		245 ± 15
Coating Material		Dual coated high index acrylate
Proof Test, ≥	kpsi	100

(1) Near-field Mode Field Diameter
(2) Calculated value

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