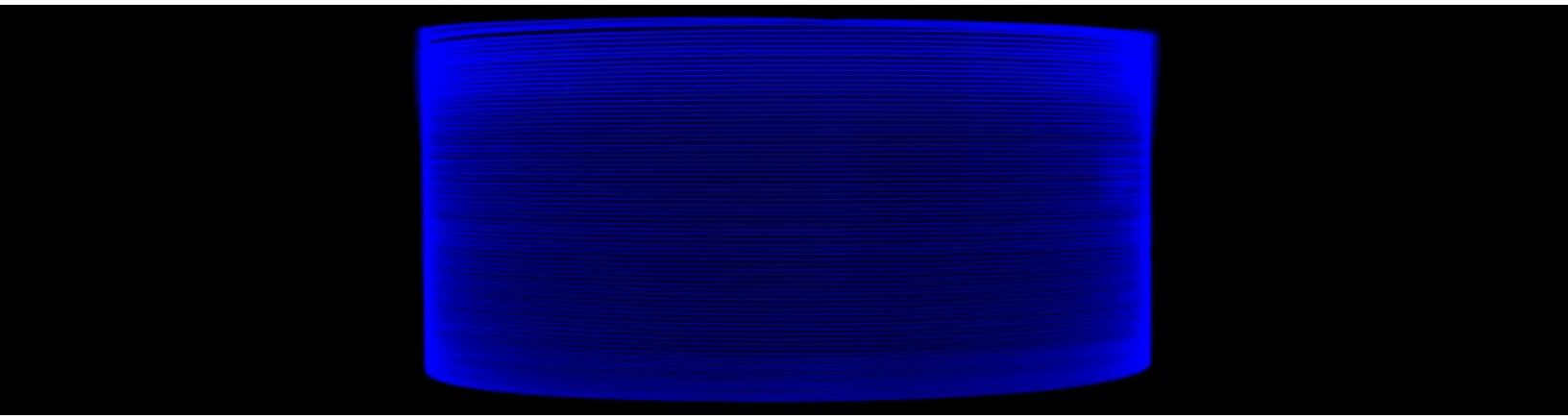
LIEKKI®

Yb1200-4/125

Single Mode Single Clad Ytterbium Doped Fiber



Features

- **Direct Nanoparticle Deposition**: Industry leading fiber deposition process
- **Beam quality**: Single mode operation for 1 µm applications
- **High core absorption**: Very short application lengths possible
- **Reliability**: Telecom grade dual layer UV-cured acrylate coating
- **Compatibility**: Telecom-like geometry with good spliceability to standard single mode fibers (HI1060)

Applications

- Low-power, low-noise ultrafast preamplifiers
- ASE sources
- Ultrafast seed laser

Typical Fiber Specifications

Fiber		LIEKKI® Yb1200-4/125
Optical	**Units**	
Mode Field Diameter at 1060 nm (1)	µm	4.4 ± 0.8
Peak Core Absorption at 976 nm (nominal)	dB/m	(1200)
Core Absorption at 920 nm	dB/m	280 ± 50
Core Numerical Aperture (nominal)		0.2
Cut-off wavelength (2)	nm	1010 ± 70
Geometrical and mechanical		
Core Concentricity Error, ≤	µm	0.7
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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