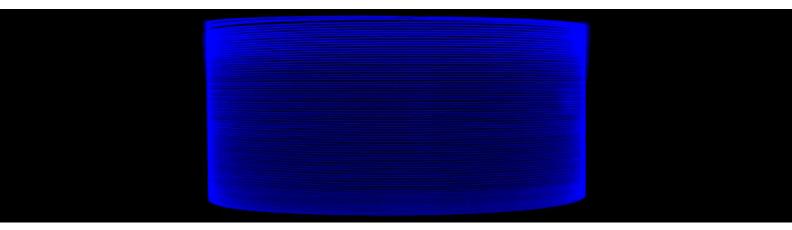


## Er110-4/125(-PM)

Single Mode Single Clad Erbium Doped Fiber



## **Features**

- Direct Nanoparticle Deposition: Industry leading fiber deposition process
- Performance: Very high Erbium doping for short application length and low nonlinearities Suitable for both 980nm and 1480nm pumping Polarization maintaining version available
- Reliability: Telecom grade dual layer UV-cured acrylate coating
- Compatibility: Telecom-like geometry with good spliceability to standard SM fibers

## **Applications**

- Ultrashort (fs) pulsed amplifiers
  and lasers
- Applications requiring low nonlinearity

Fiber		LIEKKI <sup>®</sup> Er110-4/125	LIEKKI <sup>®</sup> Er110-4/125-PM
Optical	Units		
Mode Field Diameter at 1550 nm <sup>(1)</sup>	μm	$6.5 \pm 0.5$	6.5 ± 1.0
Peak Core Absorption at 1530 nm	dB/m	110.0 ± 10.0	110.0 ± 10.0
Core Numerical Aperture (nominal)		0.2	0.2
Cut-off wavelength (2)	nm	890 ± 90	890 ± 90
Birefringence, ≥	1E-04	-	1.0
Geometrical and mechanical	, in the second s		
Core Concentricity Error, ≤	μm	0.7	0.7
Core Ellipticity Error, ≤	%	5.0	5.0
Cladding Diameter	μm	125 ± 2	125 ± 2
Cladding Geometry		Round	Round, PANDA
Coating Diameter		245 ± 15	245 ± 15
Coating Material		Dual coated high index acrylate	Dual coated high index acrylate
Proof Test, ≥	kpsi	100	100

<sup>(1)</sup> Near-field Mode Field Diameter

(2) Calculated value

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